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DRUG & CHEMICAL MARKETS

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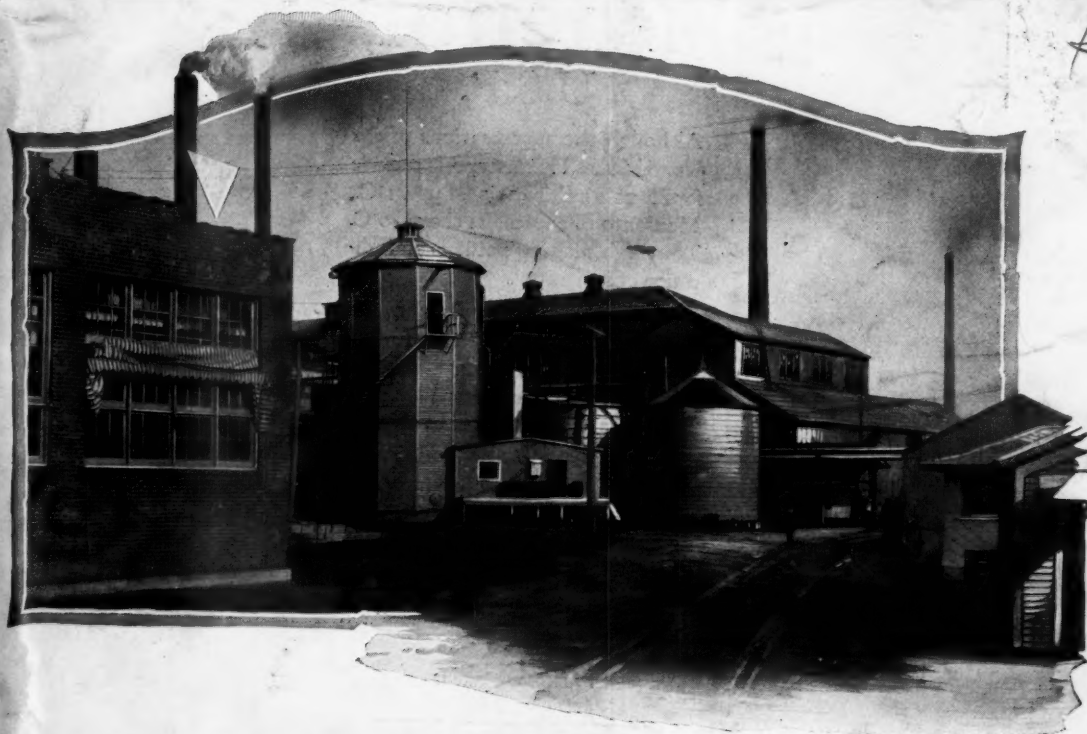
A Weekly Business Paper and Prices Current on
Chemicals, Drugs, Colors, and Aromatics

VOL. XVI

NEW YORK, MARCH 4, 1925

No. 9

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2



Industrial Chemicals

INDUSTRIAL CHEMICALS

Calcium Chloride 73-75%
(Flake or Solid)
Carbon Bisulphide 99.9%
Carbon Tetrachloride 99.7%
Caustic Soda 76%
(Flake or Solid)
Chloroform, Commercial
Ferric Chloride
Magnesium Chloride 97-99%
(Flake or Fused)
Epsom Salt Technical
Sodium Sulphide Crystals
(Flake or Solid)
Sulphur Chloride
(Red or Yellow)
Also 90 other products



The requirements which must be met to keep our own extensive plants in continuous operation parallel the requirements of the industries we serve.

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U.S.P.

Although the specifications of the United States Pharmacopoeia provide for Phenol a melting point of 39° - 41° C., Monsanto Phenol melts above 40° C. This high melting point is an indication of its purity.

Manufactured primarily for our own manufacturing requirements Monsanto Phenol meets rigid self-imposed standards, which are materially above the ordinary market requirements.

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DRUG & CHEMICAL MARKETS

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VOL. XVI

No. 9

The Week in Brief

News

Berlin newspapers are discussing the payment of 650,000,000 gold marks to the Dye Cartel by the Stresemann Cabinet without first obtaining the sanction of the Reichstag, the award being made as indemnity for losses caused by the French occupation of the Ruhr where the large plants are located.

A leading importing firm and a large consumer of vanilla give their estimates of the 1925 vanilla crop.

Group insurance with reference to the chemical and drug industries is discussed in this issue of "Drug & Chemical Markets."

A Kansas City correspondent tells of some difficulties and absurdities in making and selling arsenicals and spray materials.

The Federal Trade Commission has brought suit against Colgate & Co. for the fourth time, to enjoin the company and its officers from enforcing its resale price maintenance plan.

Markets

Demand for heavy chemicals still routine. Caustic soda moving in very large volume on contracts. Other prices steady with market generally quiet.

Benzene advanced 1c gal. by leading distributors. Other light oil distillates continue strong and scarce. Intermediates continue quiet with prices generally maintained.

Oils show reviving activity with linseed up, tallow firmer and increased inquiry in menhaden oil. Chinawood still easy with other vegetable oils steadier. Animal oils firmer at unchanged figures and fish oils more active.

Fine chemicals have shown considerable strength. Mercury is firmer. Potash permanganate active. Menthol lower. Strychnine in keen competition.

Crude drugs are steady and interest is mostly centered in scarcities. Cartagena ipecac active. Ergot and lycopodium easy.

Essential oil average for February is higher due to strength in oil peppermint. Other oils, however, tending easy. Oil sandalwood lower.

MATHIESON

Liquid Chlorine - Caustic Soda - Soda Ash
Bleaching Powder - Anhydrous Ammonia
Modified Virginia Soda - Bicarbonate of Soda

A Remedy For One Dye House Trouble

ONE of the many possible sources of trouble in the dye house is the use of improper alkalies — special alkali mixtures which are seldom uniform in strength and often of unknown or uncertain composition.

For this reason the up-to-date dyer is inclining more and more to the use of straight 58% Soda Ash. Being a standard basic commodity, Soda Ash has a definite known composition and a published market value. With Mathieson 58% Soda Ash in his dye-bath formulas, the dyer is working with absolutely uniform alkali and can eliminate at least one source of trouble.

In many cases where the so-called modified sodas are being used, the change to straight 58% Soda Ash also brings with it an immediate and substantial saving in alkali costs. For example, in preparing sulphur colors one pound of Soda Ash will do the same work as two pounds of modified soda. The desired results are obtained with half as much straight 58% Soda Ash and at less than half the previous cost.

Our technical staff will be glad to demonstrate these facts at any time to interested textile men.

The **MATHIESON ALKALI WORKS Inc.**
25 WEST 43rd STREET NEW YORK CITY

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Deal Direct with the Manufacturer

THE SPECK TEST

A speck spoils the paper and when one appears the chief engineer, the chemist, the machine-tender and the beater-man all turn to and track it to its lair.

The Merrimac Chemical Company is as much concerned as the Paper Manufacturer, and takes pains to insure that the paper be speckless.

This is the test. A 30 pound sample, representing every bag in every shipment, is dissolved in a lead tank provided with a cheese-cloth filter in the bottom outlet. When the dissolved Alum runs out there is unmistakably revealed any dirt or speck which may be present.

The Speck Test is simple, but it is thorough and sure. It is but one instance of the care the Merrimac Chemical Company takes to assure its customers of pure chemicals.

MERRIMAC CHEMICAL COMPANY
Boston, Mass.

DRUG & CHEMICAL MARKETS

VOL. XVI

NEW YORK, MARCH 4, 1925

No. 9

SYNTHETIC MENTHOL

Having secured a trade-mark and waited the usual thirty days for protests, an American manufacturer has this week announced the production on a broad scale of synthetic menthol. For several months past, experimental production has been gradually expanded until the output has now become a commercial factor. The process being used is owned by a well-known English chemical manufacturer who is reported to have perfected both process and product by constant research over the past three years.

If the American manufacturer can give the American consumer of menthol a product which compares favorably with the natural, and sell it at a price within reason, his future in this product is assured. Even if the present synthetic menthol does not fully meet every possible requirement, the development has already gone far enough to be almost certain of undermining the future of the natural menthol business. Not many years hence, the mint farmers of Japan may become permanent growers of beans, potatoes, and other food crops.

CALCIUM ARSENATE AS A MEDICINE

The greatest infestation of boll weevils in recent years is looked for during the 1925 season in the cotton belt, according to Colonel Jordan of the American Cotton Association's weevil control campaign committee. Based on the large number of weevils which went into hibernation this winter, the Association is preparing for one of the most destructive years in history. Furthermore, on previous occasions when boll weevil damage was light, as in 1924, the year following has invariably seen the cotton crop subjected to heavy infestation.

From the facts as presented by Colonel Jordan, at the present time calcium arsenate appears to be a good buy for any dealer. Nevertheless, it is doubtful if the great majority of the local distributors or consumers will buy now when surplus stocks are heavy and the price is abnormally low, considerably below the ten cent level suggested by the State of Georgia a couple of years ago as a fair price. If this pre-season warning causes anybody but speculators to buy arsenate, precedent will be destroyed. Predictions or no predictions, the cotton planter wants to see the bug actually in the cotton boll before he will spend money for any

nonsensical preventatives. Maybe he will pay twenty or thirty cents a pound next Summer,—what of it, he may get by without any arsenate again.

As for the manufacturer of calcium arsenate, his frame of mind is such that he will require a lot more assurance than one prediction of a bumper weevil crop before he will speed up production this year. He took his medicine in 1924, and if it did not cure his longing to make calcium arsenate, this ardor can be considerably dampened by exposing it to the realization that there is still on hand, mostly in the South, a quantity of arsenate variously estimated at between seven and ten thousand tons. Those manufacturers who are not cured ere this, never will be.

No matter what happens in 1925, and Colonel Jordan's forecast is apparently well founded, the calcium arsenate debacle in 1924 will probably cost the South more over the next ten years than would be the case had there been a normal demand for arsenate. Philanthropy under the guise of business cannot be permanent.

RESALE PRICE PLANS UP TO CONGRESS

A pet obsession of the Federal Trade Commission seems to be that a manufacturer cannot fix the resale price of his products, and it is again using the Sherman Act in a fourth attempt to restrain Colgate & Co. from pursuing any resale price maintenance plan. Is the Federal Trade Board vindictive in its relentless warfare against a company whose standing is acknowledged in the trade to be above reproach, or is the Board's legal adviser unfamiliar with the decision of the Supreme Court of the United States in the first suit brought against the company in which their resale plan was upheld? Again, Judge Runyon of the United States District Court at Newark, dismissed but recently a similar suit, directing that a verdict be returned for the company.

The present suit is based upon the same charges of engaging in "a combination to fix, maintain and enforce resale prices in violation of the Sherman Act." The complaint seeks to enjoin the company and its officers from "maintaining any system of espionage over the business acts and practices of wholesalers and retailers, and from keeping records and data as to the business acts and practices of

wholesalers and retailers as part of any policy to compel or induce such wholesalers and retailers to adopt and maintain any indicated resale price."

The plan as presented to the Supreme Court included the system of records employed by the company and the approval of the plan by the Court left apparently no loophole for the renewed attack upon the company's resale price policy. The attempt to obtain an injunction against a company restraining it from keeping records of its customers will fail necessarily as against public policy—an infringement of personal rights and unconstitutional. Every manufacturer in the United States is vitally interested in the result of this fourth attempt to force a company to desist from doing what the Supreme Court has ruled is legally within the rights of legitimate business. Price maintenance has become so vital a matter in American industry that Congress should take action at the earliest possible moment on the bills now pending, and thereby put an end to the misunderstanding and uncertainty now disturbing business.

Some leading questions, going farther than the pleasant thought of coal competing with water as a cheap source of power, are naturally raised by the announcement that the du Ponts are to manufacture and market ammonia. Is the recently purchased Claude process really to be the foundation? Was it acquired for its basic patent rights? Have the du Pont research staff developed improvements in a process admitted to have certain shortcomings? Will the nitrogen, obtained in a form readily available for explosive or dye manufacture, cut down their purchases of Chilean nitrate? Whether these questions are raised by the chemist, by the textile manufacturer, the ordnance officer, the statesman, or the producer of chemicals, they are full of all sorts of interesting possibilities.

Although there are pretty definite limits to the amount of phosphate that can be profitably applied per acre under present fertilizer practice, nevertheless from the scientific, theoretical side it is painfully obvious that phosphoric, not sulfuric, should be the acid of the fertilizer industry. As the battle with famine increases in intensity with the growing density of populations, the practical, commercial difficulties will assuredly be overcome.

A new process for obtaining pure crystalized aluminum oxide by electro-thermic means has been tried on an experimental scale by Ture Haglund, a Swedish mining engineer, at one of the leading European aluminum works and is to be put into operation on a commercial scale.

Synthetic tanning materials are made in England by heating sulfonyl chlorides of hydroxyarylcarboxylic acids with hydroxyaryl compounds. Hydrochloric acid gas is evolved in the condensation and the resulting products are soluble.

Importation of copper and sulfur into Greece is now allowed, according to a decree in the Greek "Official Gazette."

Ten Years Ago

From "Drug & Chemical Markets," March 3, 1915:

At \$65 a flask of 75 pounds, quicksilver now is held higher than at any time since the September stampede when one sale was made at an even \$100 and several were made at \$90.

As reports continue to reach New York of the big catch "now being enjoyed" by the cod fishermen, it seems evident that the present limit of \$33 a barrel on cod liver oil is about the most the market will stand. Of course the oil is available cheaper than that—at \$30, which is only \$12 higher than it was a couple of months ago. And the catch so far this year is way above what it was after two months of 1914 had slipped into history.

Antimony—Fine powdered is now quoted at 11c and coarse at 10c@11c as it has been in short supply, but a large shipment arrived from Shanghai last week.

The Commissioner of Internal Revenue has decided, upon second consideration, that Pears' Soap is not taxable under the emergency revenue law. Palmolive soap likewise is untaxable.

One effect of the "war zone" prescribed by Germany around the British Isles, is that the New York market will be the recipient of a number of cargoes which had not been destined for this port. Already instances are known where the market has been suddenly replenished by the arrival of a steamship which had not been expected and which carried scores of articles that were wanted pretty badly here.

Export inquiry for antipyrine has caused holders of stock to take firmer views and to mark up spots to \$3.75@4.00 immediately. Previously it was available even in small lots at 22c an ounce. It is said that the market has been pretty well cleaned out of spot stocks by foreign agents.

GIDDAP, METHUSELAH!



—The Commercial Appeal.

Industrial Group Insurance

How Group Life Insurance Works in Industrial Establishments, Its Benefits to the Employee, and Its Effect on Relations of the Employer and Workman.

By R. S. BRINKERHOFF
Metropolitan Life Insurance Co.

RADICAL theories carry no weight with the American business man. His responsibilities are too great and his time too limited and valuable to indulge in untried experiments. His mind, however, is always receptive to new ideas for promoting the efficiency of his working personnel, for increasing production or for improving working conditions at his plant. During the last ten or twelve years, American life insurance companies have built up a group insurance business approximating more than \$3,000,000,000 coverage. In view of this tremendous figure, some phase of group insurance must have made a strong appeal to the canny business sense of the American employer. He must have foreseen some practical benefit to his business, as well as to his workmen.



Our Group Insurance has Total and Permanent Disability Benefits

Type of Poster Used in Factories to Emphasize the Benefits of Group Life Insurance.

Equitable Life Assurance Society.—"Group insurance makes also for public benefit by improving industrial relationship, upon the sound principle of a plus effort for a plus benefit. To get more because you give more is turning expenditure into economical production."

Travelers Insurance Co.—"Like a labor-saving machine, it is one of those factors which eliminate waste in business, thus reducing general cost and paying for itself and a profit besides."

Aetna Life Insurance Co.—"The employer is not making a gift, but is doing something which the employees usually value far more. He is making it possible for the employees themselves to buy insurance at a lower rate than any which can be obtained individually in the open market."

Prudential Insurance Co.—"The first group policy was written not as the result of action on the part of any life insurance company but because of a desire expressed by an employer to one of the companies to co-operate with him in securing some form of blanket coverage for all of his employees."

John Hancock Mutual Insurance Co.—"Group Life Insurance gives employers a means of providing protection for their employees at the lowest cost ever found practical in any form of insurance. It provides protection for the dependents of employees in the event of their death, or for employees in the event of their permanent and total disability before the age of sixty."

It is elemental in economics that sufficient capital investment and the public's good will are essential requirements for business success. There remains, however, a third factor quite as important as either of the other two, for so often has business success been advanced or retarded in proportion to the contentment of rank and file employees, that consideration for their welfare has come to be almost a basic principle of American industry. Contentment with work or physical surroundings is comparatively easy to provide, but contentment in a broader sense is more difficult to engender, because it is hard to persuade a workman that an unseen employer really takes a personal interest in him. Such a condition makes a field fallow for discontent and misunderstanding, and it is largely the result of the loss of personal contact between employer and workmen.

Thirty years ago the average employer knew his men more or less intimately. Since then, industrial competition has taken such strides that business interests related industrially have shown a tendency to combine into large corporations, resulting naturally in a decided reduction of the old personal contact between employer and workmen. Even where such mergers have not occurred, this contact frequently has diminished almost to the vanishing point, through replacement of private ownership by that of company or corporation.

Impressed by the importance of these problems, both to industry and the country at large, life insurance companies hit upon the idea of establishing group or wholesale insurance as a method not only of correcting this growing difficulty, but of providing future economic protection for the dependents of workmen. It is be-

lieved that this object has been at least partly attained in view of the \$3,000,000,000 of group insurance now in force.

When owners and workmen were on free and easy terms, when each saw the other frequently, the employee felt a sense of personal responsibility to, and friendship for the man who hired him. Even then, however, misunderstandings arose and grievances sometimes developed, but, as the employer could call most of his men by name and they knew him personally, it was easy for them to get together informally for a discussion of the point at issue.

As a result of the tremendous industrial expansion in the last thirty years, a much different situation obtains today. An employer with hundreds of workmen, speak-

security depends in an important measure upon the insurance which goes with the job the husband or father holds. They become allies of the employer and, if need be, will offer considerable moral suasion to oppose any change in his employment. The workman, on his part, feels more contentment and greater loyalty to his employer, because of the protection afforded his family, while the loss of personal contact between the workmen and employer becomes less of a problem through the substitution of group insurance.

The beneficiaries of group insurance are threefold, including not alone the employer and the employee's family, but the employee himself. Its specific and practical advantages may be explained best by showing how it works out under a policy of the Metropolitan Life Insurance Company, whose program, besides the usual insurance features, carries certain extra-contractual provisions as well. These include a free visiting nurse service for employees, a bureau to which the employer may go for advice, and an extensive system for the distribution of booklets on health subjects and sanitation.

Let us suppose that the Smith Chemical Co. has provided group insurance coverage for its employees. This includes life, health and accident protection. It is issued on a co-operative basis, a plan whereby the



Health Poster—Used by the Metropolitan Insurance Co. in Plants Carrying Group Protection. A great advertisement for rubber boots, but what about the aspirin and quinine manufacturers?

ing many different languages perhaps, finds it no easy task now to establish a personal contact with them. Yet, basically, the workingman's problems differ little from those of thirty years ago. His children have the same ills, the rent must be paid, clothes have to be bought. There may arise dissatisfaction with wages or working conditions, and when such occurs, the loss of personal contact becomes most important, for the owners of big business as a rule see little of their rank and file employees.

Discussion of wrongs, real or fancied, can be carried on often only through a third party—the manager, superintendent, president, or whatever he may be called. The old friendly, personal relationship has passed, and the most serious aspect of this situation has been the ever-widening gulf that has developed between the business and the employee's family.

For this reason, any scheme tending to change the worker's family from a luke-warm supporter into an ardent champion, is well worth the serious consideration of industry. And that is exactly what group insurance tends to accomplish, for the wife and children of an employee quickly realize that their future economic

Group Insurance



Selling the Idea to Employees by Use of Colored Posters in the Factories.

employer and employees jointly pay the premiums. The employer signs the application, the employees are canvassed and the legal number accept the proposal to make the deduction of their share of the premium from their pay envelopes so that with the payment of the initial premium, the insurance becomes effective.

With the insurance actually in force, and guaranteeing individual protection, let us say of \$2,000 life insur-

(Continued on Page 644)



Industrial Chemical

SECTION



Chemical Exports Show 12 Per Cent Advance

Increase Every Month Throughout 1924 Compared With 1923, Except In October — Sulfur Shipments In January Double Those a Year Ago—Industrial Chemicals Slightly Less Than In 1923—Fertilizer Imports Decline — Foreign Sales of Colors, Dyes and Stains Heavy— Losses Recorded in Exports of Coal Tar Crudes and Intermediates—Value of January Exports \$12,620,000.

(Special to DRUG & CHEMICAL MARKETS)

Washington, D. C. March 4—Exports of chemicals and allied products in the United States during January attained an average value of \$12,620,000, a 12 per cent advance from January of last year and an increase over any other single month throughout 1924, with the exception of October, according to the Chemical Division of the Department of Commerce. Discussing the situation in detail the Division says:

Exports of industrial chemicals continued to record a slight decline, the total for the month of January having equalled \$2,090,000. In the fertilizer group, total exports of which amounted to 65,990 tons, valued at \$1,199,000 in January 1925, a slight drop from the preceding January, ammonium sulfate reflected the greatest change with foreign shipments 40 per cent under January, 1924.

Due to the appreciable loss in exports of coal-tar crudes and intermediates, the values of the entire group of the coal-tar chemicals fell from \$1,283,000 in Jan. 1924, to \$917,000 in Jan. 1925. Foreign sales of colors, dyes and stains amounting to 2,007,000 pounds, valued at \$658,000, were particularly heavy and surpassed those of any other single month throughout the year 1924 with one exception.

One of the most significant changes in the export trade was that of sulfate, more than double the amount being shipped to foreign countries during January, 1925, than during last January, 1924 on a total of 64,500 tons, valued at \$1,127,000.

The most striking change in the import trade in chemicals and allied products during January compared with January, 1924, occurred in the fertilizer group which showed a marked diminution—24 per cent in quantity and 35 per cent in value.

POTASH SALTS IN DEMAND IN FRANCE

(Special Correspondence to DRUG & CHEMICAL MARKETS)

Paris, Feb. 21—Demand for potash salts increases. The nitrate of soda market while calm in Northern France has become much more active in the West and along the Northern Mediterranean coast. Spot transactions are the rule, prices ranging from 12 pounds 6 shillings at Dunkirk to 12 pounds 13 shillings at Bordeaux.

Sulfate of ammonia is in less request owing to the heavy orders passed at the beginning of the year. Prices today range from 113 to 114 francs per 100 kilograms (220.46 pounds). Potash salts are in great demand, and owing to the shortage of labor great difficulty

is experienced in effecting deliveries, the mines having several weeks to make up and each new order increasing the delay. Orders have been mainly for the 20-22% rvch sylvinit and the chloride of potash for which no guarantee is now offered as to date of delivery. The chemical press is advising buyers to transform their orders into sylvinit 12-16%, of which an apparently sufficient stock exists, if they wish delivery in time for Spring seedings.

CHAS. HARDY FORMS METAL COMPANY

Associated Metals & Minerals Corp., 100 E. 42 st., New York, has been incorporated in New York State with capital of \$300,000 represented by 3,500 shares of preferred stock of \$100 par value, and 5,000 shares common stock of no par value. The officers are: Charles Hardy, president; R. M. Atwater, Jr., vice-president; A. Rimberg, vice-president and treasurer; E. E. Lejune, assistant treasurer; J. J. Haessler, secretary.

The new company is an international corporation and will deal in non-ferrous metals and minerals. Mr. Hardy is American representative of German Ferro-Manganese Syndicate; and of Societe Electro Chemie of Paris. Mr. Atwater is a well known mining engineer associated with Ladenburg, Thalmann & Co., international bankers. Mr. Haessler has been associated with Mr. Hardy for a number of years and has been secretary of all his companies. The chemical business will continue to be carried on under the name of Charles Hardy, Inc.

EXPOSITION HAS COURT OF ACHIEVEMENT

The Advisory Committee of the Exposition of Chemical Industries at a meeting at the Chemists Club, Feb. 24, adopted plans for a Court of Achievement in which new products of chemical development during the last few years will be shown at the exhibition in September. One hundred separate units are to be included, and those having new scientific products which may be suitable for showing in the Court of Achievement should communicate with the Tenth Chemical Exposition, Grand Central Palace, New York, and the communication will be placed before the committee.

Arthur D. Little, president of Arthur D. Little Inc., Boston, was elected to succeed Charles H. Herty as chairman of the Advisory Committee. Dr. Arthur D. Little's company is one of the largest research and engineering organizations in the country and was founded in 1886.

Potash Importing Corp. states that unless purchasers begin buying in larger quantities immediately, it will be impossible to supply demands that will come in as the season advances. Purchasers have been buying only for minimum requirements and the fertilizer season has now reached a point where it can be seen that more will be required than has so far been purchased, says the statement.

WHO'S WHO— in the Chemical Industry

Frederick R. Hall, pres., Northwestern Chemical Co., Marietta, O. Born, Nashua, N. H., Nov. 13, 1887. Mar., Louise M. Pierce, Nashua, Sept. 20, 1910. Educat.: Nashua public schools; Pratt Institute Chemical Engineering, 1908. Business: Leather chemist, Leas McVitty, Inc.; organized Northwestern Chemical Co., 1910; active managing head of business since organization. Organized first company to manufacture and market a complete line of chemical supplies for the automotive trade. Member: Rotary, Masonic, Marietta Cham. of Commerce, Add Club, Marietta Town & Country Club, Amer. Chemical Society, Chemists Club N.Y.). Hobbies: Golf, radio, football.

George Millard Heath, pres., Standard Color & Chemical Works, and Millard-Heath Co., St. Louis. Born, Milan, Mich., July 12, 1877. Mar., Mary Constance Clark, Chicago, Aug. 27 1913. Educat.: Univ. Michigan, Ph.C., 1896, B.Sc., 1900. Business: Asst. instructor of pharmacy, Univ. Michigan; asst. professor of chemistry, Albion College; research atmospheric nitrogen, E. I. du Pont de Nemours & Co.; founded dye mfg. company in 1916. Has done special research on atmospheric nitrogen, nitric acid and dyestuffs. Member: Rotary Club, North Hills Country Club, Phi Chi Fraternity, Masonic Lodge, Drug & Chemical Credit Club. Hobbies: Chemical research and golf.

Henry Gordon MacKelcan, chem. sales mgr., Innis Speiden & Co., New York. Born, Hamilton, Canada, Feb. 6, 1890. Mar., Helen M. Armstrong, Newark, N. J., Oct. 14, 1914. Educat.: East Orange H. S., 1908; studied chemistry at Newark Tech., Newark, N. J. Business: 16 yrs. with Innis Speiden & Co., from junior clerk up, through all depts. of business. Served in Natl. Guard Reserve during war. Member: Maplewood Country Club, Stockton Club of E. Orange, Drug & Chemical Club. Hobby: Golf.

Clarence K. Simon, pres. and gen. mgr., Dye Products & Chemical Co., Inc., New York. Born, New York, Dec. 26, 1889. Unmarried. Educat.: Columbia Univ., degree of Chemical Engineer, 1912. Business: Chemist, E. I. du Pont de Nemours & Co., 1913; engineering chemist, Bd. of Estimate and Apportionment, City of New York, 1914-15; pres. and works mgr., Dye Products & Chemical Co., 1915-20; pres. and gen. mgr., 1920 to date; treas., Moon Products Co., Inc. Member: Amer. Inst. of Chemical Engineers, Amer. Chemical Soc., Amer. Electro Chemical Soc., Amer. Inst. of Chemists (treas.), Chemists Club, Metropolis Country Club, Metropolis City Club, Bd. of Editorial Advisors, "Chemical Age." Hobby: Golf.

William Bouton Thom, secy.-treas. and gen. mgr. Warner Chem. Co., N. Y. Born, Buffalo, Wym., Oct. 8, 1891. Mar., Genevieve L. Riggs, Ann Arbor, Mich., April 8, 1916, died Feb. 5, 1920; second, Hilda R. Ohlstrom, Philipse Manor, N. Y., Jan. 19, 1923. Educat.: Univer. of Mich., A.B. 1915. Business: Secy.-treas. and gen. mgr. of Warner Chem. Co., Westvaco Chlorine Products, Inc., and Tromite Corp. Member: Chemists Club; Westchester Hills Golf Club; Phi Gamma Delta Fraternity.

INDUSTRIAL CHEMICAL SECTION

INDUSTRIAL GROUP INSURANCE

Concluded from Page 642)

ance and after eight days of disability a sick benefit of \$15 a week for a maximum period of 26 consecutive weeks, the employees are able to go about their work knowing that they are protected against many future uncertainties. Also, this has been accomplished at a very small cost to them, without medical examination, irrespective of their age, and minus red tape of any sort.

A week or perhaps a month later, Bill Jones is taken ill at home. For eight days his income stops, but from the ninth day on he will receive from the insurance company \$15 a week for a maximum period of 26 weeks. To make the case an extreme one, but one which very easily could be true, let us say that his disability lasted throughout the entire maximum period, and that ten days after returning to work he suffered an injury, while off the job, and again was laid up for several weeks. Again he receives \$15 a week, after the first eight days disability.

Once more fully recovered, Bill goes back to his job, but his bad luck continues. Another illness occurs which results in Bill's total and permanent disability. Unable ever to return to work again, and with little money saved, he and his family probably would be in straits without the benefit of his group insurance. This provides for the payment of the full amount of his protection in monthly installments of \$52.50 for a period of 40 months. For three months these payments are made regularly. Then Bill dies. His family receives the unpaid balance of the monthly installments. In addition to the money received from the insurance company, Bill obtained other assistance. A visiting nurse, employed by the insurance company, called as often as necessary, rendering aid, giving advice and carrying out the doctor's instructions. In the Jones home were several pamphlets, bearing such titles as "All About Milk," "The Child," "First Aid in the Home," and "How To Be Happy and Well."

Among the specific and practical benefits to the employer, besides the principal one of creating better relations between him and his workmen, the group program of life insurance provides another that is well worth describing in some detail. The policyholders' service bureau is an adjunct to the group division of the company, and includes on its staff graduates of leading technical schools, specialists in managing employment and personnel departments and trained investigators of industrial relations questions.

Group policyholders have the privilege of drawing upon the practical experience of these experts for assistance in the solution of problems of management, industrial hygiene, housing of employees, matters affecting their food, general sanitation, and many others. Thousands of such requests have been made, thousands of solutions offered. A chemical concern of Baltimore recently was furnished with a computation of the cost of machines during the dull season. A Pittsburgh drug firm asked help in regard to an income tax problem. These problems were turned over to specialists attached to the bureau, and as soon as some valuable plan had been evolved, or some solution reached, the requested information was forwarded without delay to the company concerned.

S. Weinstein Supply Co., New York has been awarded a government contract for 10,500 pounds anhydrous aluminum chloride packed in heavy steel bilge barrels of 400 pounds each at \$26.42 cwt.

FINDS RICH GRAPHITE DEPOSIT

The world's richest deposit of graphite has been found in Greenland, according to reports to the American Chemical Society, which say: "An American engineer, J. R. Sweet," says the report, sent from Horten, Norway, "has been in Greenland for a whole year on work for a graphite company. He reports having found the biggest graphite deposits in the world, sufficient for large-scale mining for at least 100 years."

The German Potash Syndicate contemplates a 12 per cent increase in the price of potash to foreign consumers. The syndicate is planning to reintroduce the pre-war system of rebates to the home market to encourage domestic consumption, and will make up the loss by advancing prices for export.

A \$2,500,000 subsidiary of Koppers Co., Pittsburgh, will build a plant at Hartford, Conn., soon, providing a bill covering the incorporation of the plant is accepted by the Legislature. Hartford Coke Co., as it will be called, will produce gas, bi-product coke, coal tar and ammonium sulfate.

American Smelting and Refining Co. shows net earnings for 1924 of \$21,471, 506 as against \$19,557,000 for 1923. Net income after all reductions is \$11,186,990 or \$12.60 a share on common stock after payment of preferred dividends as against \$3.71 a share in 1923.

The William H. Nichols Medal will be presented to Dr. E. C. Franklin of Leland Stanford University, at a meeting of the New York Section of the American Chemical Society, at the Chemists Club, 50 E. 41st St., New York, Friday evening, March 6.

E. I. Du Pont de Nemours & Co., are reconstructing the \$1,000,000 gas plant at Deepwater, N. J., where two men died and five were made seriously ill from ethyl poisoning. The new plant will be better ventilated.

The Board of Water Commissioners, Hagerstown, Md., will ask bids about March 15, for a complete filtration plant for the municipal waterworks on the Potomac River, including a chemical treatment works.

Vandals visited the plant of Chipman Chemical Co., near Martinez, Cal., on the evening of Feb. 8 and opened a valve of a tank containing 17,000 gallons of weed killer, causing a loss of \$6,800.

Mallinckrodt Chemical Works has been awarded a government contract for sodium hyposulfite in 100 lb. containers at 3¼c; in 5 lb. containers at 15c and in 1 lb. containers at 17c.

Grasselli Chemical Co. has declared quarterly dividends of 2 per cent on the common stock and 1½ per cent on the preferred, both payable March 31 on stock of record March 16.

The Department of Justice will investigate in the South to determine whether there is a fertilizer trust there as charged by Senator Harris of Georgia.

Howard C. Heffernan, of Miner Edgar Co., New York, makers of acetates, left last week for a two weeks' vacation trip to Cuba.

Thompson, Hayward & Schlueter have been awarded a government contract for 7,000 lbs. crushed calcium chloride at \$64 ton.

F. L. Washburn has resigned from F. H. Goldschmidt Corp. and is on a vacation in the West Indies.

The Editor's Correspondence

INSECTICIDE Versus SUICIDE

Editor, DRUG & CHEMICAL MARKETS:

Who's loony now? We know that bugs curl up and die, when they touch a dose of poison; and we are quite sure, if the present policy isn't checked, the manufacturers of Insecticides will do likewise. Then what a fine old time Mr. and Mrs. Bug will have.

As we see it, there are several reasons for the present difficulties and absurdities, in making and selling arsenicals and spray materials.

First—The uncertainties of Providence:—either no fruit and light consumption; either a freeze and no spraying; A season with few bugs—etc.

Second—The necessity for manufacturing and distributing goods early, before the demand can be legitimately estimated.

Third—The lack of uniformity in sales policy:—one manufacturer tries to sell the jobber; Another the dealer; Another the farmer direct. All use about the same prices, for entirely different classes of trade, irrespective of the different selling cost necessary to reach these different trade levels.

Fourth—The introduction of the co-operative buying agencies or farm associations. The units dangle a sizeable tonnage order before the eager eye of the manufacturer, and after securing a bid below cost prostitute the entire territory by broadcasting their ridiculous prices, as well as compelling the supplier to handle retail orders on wholesale basis.

When will manufacturers recognize that a farmer or farmers association cannot be treated the same as the jobber or dealer—because; First—They seldom recognize any basic responsibility when they place an order. Second—If a competitor quotes lower prices, they simply place a second time, but elsewhere. Third—They have not the same credit responsibility; Fourth—A contract cannot be enforced without going to greater expense and trouble than the effort is worth.

What is going to be the final result: First—A lack of interest on the part of the manufacturers to stay in, to go in, or to develop the insecticide industry. Second—In the long run, much higher prices for the ultimate consumer of insecticides. Third—A decrease in facilities to care for insecticides demands, and therefore, a loss of agricultural products, which means an economic loss to the nation which in turn means a direct loss to each individual and increased living costs.

The remedy! Yes, we have one, it is simple. Sell goods on the basis of cost—plus actual cost of selling—plus a reasonable profit. It costs a lot more to sell ten farmers than one dealer in his district. It costs a lot less to ship one jobber an order than to ship the same quantity to one hundred different people, in small lots. It costs a lot more to sell one hundred persons with no business training, or large credit resources, on open terms, than one jobber of established organization and of recognized and known resources. Try and see! It costs a lot less to compel one jobber to take and pay for goods ordered, than to try and compel a rural judge and jury to deliver the recalcitrant farmer over to the tender mercies of the Benevolent Insecticide Corp. or trust, as they think of it!

Kansas City, Feb., 24, 1925

C. T. Thompson

INDUSTRIAL CHEMICAL SECTION

The Heavy Chemical Market

Current Spot Quotations for Heavy Chemicals, pages 666-691

MAKERS REDUCE TIN SALTS FOR MARCH

Bichloride, Crystals and Tetrachloride Shaded—Sodium Prussiate Easier—Potassium Chlorate Lower for Shipment—Oxalic Acid Quiet—Arsenic Quoted at 5c For Shipment From Japan—Market Quiet But Steady.

PRICE CHANGES IN NEW YORK (Stocks in First Hands)

Advanced	
Potassium Carbonate, Shipt., ¼c lb.	
Declined	
Arsenic, Jap. Shpt., 1c lb.	Tin Bichloride, ¼c lb.
Potassium Chlorate, ¼c lb.	Tin Crystals, ¼c lb.
Sodium Prussiate, ¼c lb.	Tin Tetrachloride, ¼c lb.

Trend of the Market

	Today	Last Week	Last Month	Last Year	War Peak	Pre-War
Acetic Acid, Glacial...lb.	\$1.11	\$1.11	\$1.11	\$1.24	\$1.19	\$0.97
Sulfuric Acid, 66 deg., ton	14.00	14.00	14.00	15.00	15.00	20.00
Ammonium Sulfate, 100lbs.	2.75	2.75	2.75	3.00	2.50	2.65
Bleaching Powder, 100lbs.	1.90	1.90	1.90	1.50	9.50	1.50
Copper Sulfate, c/ 100lbs.	4.65	4.65	4.65	4.55	20.00	4.50
Potash, Caustic, Imp....c.	.07½	.07½	.07½	.06½	.87	.08
Soda Ash, 58 p.c....100lbs.	1.94	1.94	1.94	1.84	3.50	.60
Caustic Soda, 76 p.c.100lbs.	3.66	3.66	3.66	3.66	9.50	1.42
Potassium Bichromate..lb.	.08½	.08½	.08½	.09½	.65	.06¼
Sodium Prussiate, Imp..lb.	.10	.10¼	.10¼	.11½	1.25	.18
Average	2.927	2.927	2.927	3.005	10.75	2.99

A rather dull period was experienced in spot trading in heavy chemicals over the week, and contract deliveries on most items were also reported to have suffered in volume. A slight sagging was perceptible although the general tone of the market was steady. Most domestic products were in large supply, while several imported products remained fairly scarce on spot. Higher levels were realized for potash carbonate, not only on spot but also for shipment, and spot goods were hard to locate in any quantity. Potash alum continued to be absorbed as quickly as material arrived on the dock. An easing off was perceptible in potassium chlorate and slightly lower prices were possible for shipment. Consumers of sodium prussiate were pretty well supplied ahead and a lot of material offered ex-dock could not bring a bid above 9¾c lb. which was refused, 10c being asked, despite higher replacement values from abroad.

Acid Acetic—Moving in steady volume on contracts at unchanged quotations for 28% of \$3.12@3.37; for 56% \$5.85@6.10; for glacial \$11.01@11.76 per 100lb.

Acid Oxalic—Easy condition exists with imported material available at 10¼c@10½ lb. on spot, and shipment figures named around 11c@11½ lb. Domestic material is available at 10½c@11c lb. as to seller.

Alum Potash—Continues in active demand with all material readily sold to dealers ex-dock. Importers continue to name \$2.70@2.75 for shipment, and spot material remains available in a small way ex-store at \$3.00-@3.25, while \$2.75 continues to be done ex-dock.

Arsenic—Weak condition continues with material still available at 5c lb. and 5¼c@5¾c lb. nominally quoted for spot material. Japanese material is quoted sharply lower for shipment at 5c lb. c.i.f. New York. Calcium arsenate remains available on spot at 6c lb.

Copper Sulfate—Makers continue to name \$4.65@4.85 per 100lb. for material but carlots remain available at \$4.50. It is doubtful if any large quantities could be bought at the lower figure since any increase in demand would immediately strengthen the market to the quoted levels or higher.

Epsom Salts—Fair request for both imported and domestic products. Imported technical is obtainable on spot at \$1.25@1.30 in carlots of bags; and domestic is quoted at \$1.50@1.75 in bags; \$2.00 in carlots of barrels; and \$2.15 in less than carlots of barrels. U.S.P. is named at \$1.65@2.00 per 100lb. for carlots of imported material; and \$2.00@2.20 for domestic goods.

Glauber's Salts—Imported material remains in free supply at 80c@85c per 100lb. for both spot and shipment. Domestic manufacturers report steady movement of supplies at firm quotations of \$1.10@1.20 for carlots of bags, and \$1.35@1.45 for less than carlots; barrels are quoted at \$1.25@1.35 for carlots, and \$1.50@1.60 for less than carlots.

Potash Caustic—Domestic and imported materials continue to move in heavy volume at unchanged levels of 7½c@7¼c lb.

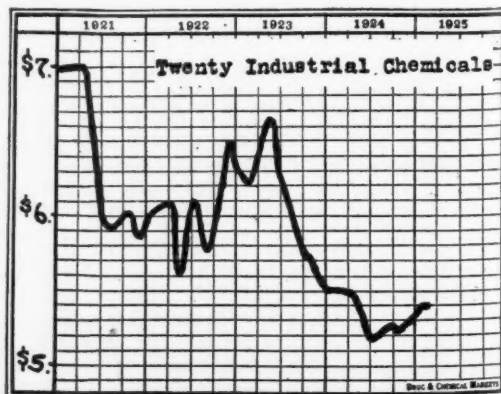
Potassium Carbonate—Very firm with spot material scarce on calcined grades. Quotations are given for spot at 6c lb. for 80-85% calcined; 5½c@6c lb. for 80-85% hydrated; 6c@6¼c lb. for 90-95% calcined; 6¼c@6¾c lb. for 96-98% calcined; and 7½c lb. for 99% calcined. These figures can be shaded for large business.

Potassium Chlorate—Easier situation on spot and for shipment. Material obtainable at 7c@7½c lb., spot; and 6¾c@7c lb. for shipment.

Potassium Perchlorate—Firm condition continues with material available at 12c@13c lb.

Potassium Prussiate—Holding steady at firm quotations of 18½c@19c lb. as to quantity for both imported and domestic goods.

Soda Ash—Manufacturers continue to report heavy shipments against contracts at quoted levels of \$1.38 100lb. for 58% light ash in carlots of bags at works;



and \$2.04@2.29 in less than carlots delivered in the metropolitan district. Spot works prices are 5c 100lb. higher than contract levels.

Soda Caustic—Steady movement continues with makers firmly adhering to contract levels of \$3.10 for carlots of 76% solid material at works; \$3.50 for ground and flake; spot works prices are 10c per 100lb. higher than contract levels.

Sodium Chlorate—In fair demand at unchanged levels of 6¼c@6½c lb. for both imported and domestic products.

Sodium Prussiate—Easy condition exists and a lot of material offered ex-dock at 10c lb. was bid at 9¾c which was refused. Consumers are practically all covered by contract and a very small absorption is present for spot material. Imported and domestic materials are nominally 10c@10½c lb. as to quantity.

Sodium Nitrate—Quotations remain at recent levels of \$2.66 100lb. for spot material, and \$2.66@2.68 for futures. A firming tendency is noted due to greatly increased demand from the south, despite the easy condition of the English market.

Sodium Sulfide—Available supplies remain in hands of strong manufacturers who quote 2¼c lb for carlots of crystals, and 2¾c lb. for less than carlots; for solid 4c lb in c/1; and 4¼c lb. in 1c/1; and for broken 4¼c lb. in c/1; and 4½c lb. in 1c/1.

Tin Salts—Lower quotations given by makers for March owing to lower metal levels during the past month. Bichloride is named at 15¾c lb. for 50% solution in barrels; crystals are shaded to 39c lb. in barrels and 39½c lb. in kegs at works; and tetrachloride is quoted at 32c lb. in drums.

Post Office Department, Washington, has opened bids for trisodium phosphate and caustic soda, among which were the following: General Chemical, Philadelphia, \$4.20 cwt for the phosphate in 50 lb. cans, \$3.86 in 150 lb. cans and \$3.75 in 375 lb. cans; Roessler & Hasslacher, \$3.90 in 375 lb. cans and \$4.16 cwt. for caustic in 300 lb. cans; General Chemical, New York, \$3.90 for the phosphate in 375 lb. cans; Grasselli, \$4.90 for phosphate in 50 lb. lots, \$4.40 in 150 lb. lots, and \$3.90 in 375 lb. lots, 1% 10 days; Warner Chemical Co., 7c lb. in 50 lb. lots, 6½c in 150 lb. lots and 4½c in 375 lb. lots and Bowker Chemical Co., all phosphates \$3.65, f. o. b. Bayway, N. J., if packed in 100 lb. kegs and 150 lb. kegs add 40c cwt.

Chloride of potash in the form of sylvanite and carnalite was exported from Alsace in 1924 to the amount of 502,691 tons, valued at 71,181,000 francs, against 454,629 tons in 1923, valued at 40,917,000 francs. Exports of pure chloride have increased from 21,995 tons, valued at 10,588,000 francs, in 1923, to 36,409 tons at 22,675,000 francs in 1924. Exports to the United States almost equal those of German works, which are fourteen times as numerous.

Natural Products Chemical Co., capital \$100,000, has been chartered in New Jersey. The company is a subsidiary of Natural Products Refining Co. of Delaware, capital \$1,000,000, manufacturers of bichromates. The new company will erect a plant in Jersey City for the manufacture of chemicals. The officers are:—Henry A. Goman, president; Stanley L. Weil, treasurer; Clarence V. Steinhart and Walter D. Postley, vice-presidents.

NEW CHEAP ISO-PROPYL PROCESS

Cheap iso-propyl alcohol, as well as several butyl, amyl, and hexyl alcohols, can be produced by a new petroleum cracking process developed in the laboratories of Arthur D. Little, Inc., Boston, the research work for which has been financed by the Barnsdall Corp. The cost of iso-propyl is said to be a fraction of the present market. The new vapor-phase cracking process for petroleum, worked out in the Little establishment, also yields between 40 and 55 per cent of motor spirit which has desirable properties as an anti-knock ingredient of ordinary gasoline when used in proportion of 10 or 20 per cent. Several special solvents will also be produced by the new cracking method. A new company, known as the Petroleum Chemical Corp., has been formed by Arthur D. Little, Inc., and the Barnsdall Corp., to produce, develop and market the new products.

MELLON INTERESTS BUY BALTIMORE PLANT

Bartlett-Hayward Co., Baltimore, which employed 23,000 men and women during the war to keep the government supplied with ammunition and other war material, has been purchased by McClintic & Marshall Construction Co., Pittsburgh, for \$15,000,000. The Pittsburgh company is controlled by the Mellon interests and it is planned to expend \$3,500,000 on an aluminum plant.

The following named chemicals, with the amounts exported during the year 1924, were all under those of 1923: Aluminum sulfate, 32,024,332 pounds, value \$407,768; ammonia and ammonium compounds exclusive of ammonium sulfate, 3,496,363 pounds, \$916,403; bleaching powder, 21,602,125 pounds, value \$380,156; formaldehyde, 2,897,822 pounds, value \$322,214; and potassium bichromate, 1,169,266 pounds, value \$100,071.

Farm bureaus and commodity marketing associations in the South are planning to protest increasing freight rates for fertilizers at the coming session of the Interstate Commerce Commission. Railroads are asking for an increase of 25 to 30 per cent in freight rates in all the southern states excepting North Carolina and it is estimated that more than half the farmer's fertilizer bill is now paid for freight.

"Alkali and chemical producers carried over from 1923, a condition of affairs highly unsatisfactory as to prices and extent of business," says Alex C. Fergusson, Jr., in the sixty-fourth annual report of the Philadelphia Drug Exchange. "Low volume of production made for increased costs and added to losses. Things took a turn for the better during the early Summer and have continued to improve."

Boll weevil infestation this year is expected to be very heavy according to Col. Harvie Jordan, managing director of boll weevil control campaign committee of the American Cotton Association. Mr. Jordan pointed out that after a year of light infestation, such as last year, an exceedingly destructive year is experienced. A fund of \$100,000 to \$150,000 is to be raised to fight the pest this year.

Grasselli Chemical Co., Cleveland, O., has purchased By-Products Steel Corp. with plants in New York and Virginia. The By-Products Company was a manufacturer of high grade zinc chloride and it is expected that the Grasselli Company will utilize the plants for their own production.

The Intermediate and Dye Market

Current Spot Quotations for Intermediates, see Chemicals, pages 666-691

DISTRIBUTERS ADVANCE BENZENE 1c Gal.

Continued Strength of Gasoline Market Brings Increase—Other Light Oils Very Strong But Unchanged—Naphthalene, Cresylic Acid and Phenol Show No Improvement—Intermediates Generally Quiet—Outlook for March Not Encouraging.

PRICE CHANGES IN NEW YORK

(Stocks in First Hands)

Advanced

Benzene, 1c gal.

Declined

Pyridine, 15c gal.

Trend of the Market

	Today	Last Week	Last Month	Last Year	War Peak	Pre-War
Benzene, pure .....gal.	\$.24	\$.23	\$.23	\$.24	\$1.10	\$.25
Naphthalene, flake .....lb.	.05	.05	.05	.06½	.16	.03
Phenol, Spot .....gal.	.24	.24	.24	.37	1.50	.08
Toluene .....gal.	.26	.26	.26	.26	..	..
Aniline Oil .....lb.	.16	.16	.16	.16	1.40	.10½
Alpha-naphthylamine .....lb.	.35	.35	.35	.35	1.28	..
Benzaldehyde .....lb.	.70	.70	.70	.75	..	..
Betanaphthol .....lb.	.24	.24	.24	.26	1.50	.08
Dimethylaniline .....lb.	.33	.33	.33	.36	1.50	..
Paranitroaniline .....lb.	.60	.60	.62	.68	1.58	.18
Average	0.317	0.316	0.318	0.350	..	..

Intermediates continue quiet with no special interest displayed in any particular item. Business continues to be described as fair with the total for February slightly behind January and a smaller amount of orders booked for March delivery. Prices continue fairly steady with competition keen and weakness in a few items. The call for dyes has been disappointing thus far and textile quarters have not shown the improvement that was anticipated for the first quarter of this year. Instead news continues to come of various mills cutting wages and curtailing production. A large mill is reported to have curtailed its output at least 25% on March 1, owing to the soft condition of the market, and has decided to produce only for orders and not for stock. Leading producers announce an advance in benzene quotations of 1c gal. due to the continued strength of the gasoline market. Toluene and solvent naphtha continue generally sold up for some time ahead although limited supplies become available from time to time. Phenol, cresylic acid and naphthalene continue quiet.

Crudes

Benzene—An advance of 1c gal. on all grades was announced by leading distributors effective the first of the month due to the continued strength of the gasoline market, and the very great industrial demand. The output continues large with steel mills running at practically 90% capacity, but all available supplies continue to move into consumption. A very strong condition remains. Quotations are now 24c gal. in tanks at mills, and 29c in drum for the pure material, and 22c gal. in tanks, and 27c in drums for 90%.

Cresylic Acid—Situation unchanged and interest is still lacking in this material. Holders continue to name generally steady prices although shading would not be unlikely on a firm offer of sufficient size. Quota-

tions remain at 60c@65c gal. for 97-99% pale; and 55c @60c gal. for 55-60% dark material.

Naphthalene—Quiet situation continues with large supplies available and absolutely no interest displayed by consumers. Manufacturers continue to quote unchanged prices although shading is intimated in several quarters for firm business. Flakes continue to be quoted at 5c@6c lb.; and balls, 6c@7c lb. as to quantity.

Pyridine—Demand remains extremely dull and prices have declined this week for spot material. Holders quote \$4.05@\$4.15 gal. according to quantity and seller. The denaturation consuming season is past, and although stocks are not large, little support for the price exists.

Solvent Naphtha—Strong condition continues with supplies sold up in most quarters for about two or three weeks ahead. Prices however are unchanged at 25c gal. in tanks, and 30c in drums.

Toluene—Market on this product remains the strongest of any of the light oils, and supplies continue quite scarce, with all output sold for some time ahead. Prices remain unchanged but very firm at 26c gal. in tanks at mills, and 31c gal. in drums.

Xylene—Fairly steady condition with quotation unchanged at 26c gal. in tanks, and 31c in drums for commercial; 30c gal. in tanks, and 35c in drums for the 10° material; 35c gal. in tanks, and 40c in drums for the 5°; and 50c gal. in drums for the 3 degree product.

Intermediates

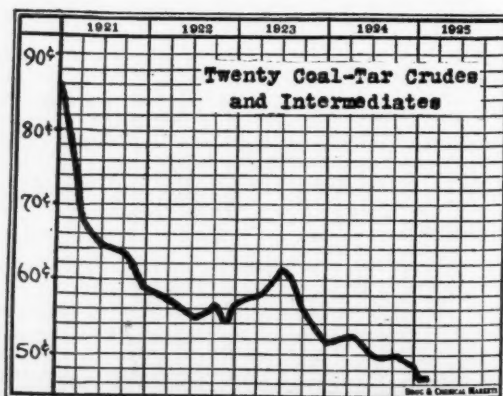
Acid Cleve's—Firm but quiet at unchanged levels from makers 95c@97c lb.

Acid H—Fair movement of supplies reported at recently lower levels of 68c@72c lb. as to quantity.

Acid Laurent's—Steady position maintained although request is slight. Manufacturers continue to name 90c lb.

Acid Monosulfonic—Continues to be quoted at \$1.80 @ \$1.90 lb. as to quantity for domestic and imported materials.

Acid N & W—Slight demand reported by manufacturers who continue to quote \$1.00@\$1.05 as to quantity.



Aniline Oil—Heavy movement of supplies continues against contracts. Spot business continues dull. Makers hold at firm prices of 16c@17c lb. as to quantity.

Beta-Naphthol—Demand fair with no change noted over the week. Makers quote firm prices of 22c lb. in carlots, and 24c@25c lb. in less than carlots.

Diethylaniline—Holding steady at recent advance to 62c@64c lb.

Dimethylaniline—Continues to move in fair, volume against contracts with competition still sharp on spot business which continues small. Makers continue to quote 33c@35c lb. as to quantity.

Meta-Toluylenediamine—Routine demand reported at levels of 80c@84c lb. as to quantity from makers.

Ortho-Nitrotoleuene—Offerings continue scarce with those who are in a position to offer naming recently higher levels of 14c@16c lb.

Ortho-Toluidine—Manufacturers in a position to offer material name recently higher levels of 20c@22c lb. as to quantity.

Para-Nitroaniline—Easy condition continues with quotations unchanged at 60c@65c lb.

BUTTERWORTH-JUDSON LOSES APPEAL

(Special to DRUG & CHEMICAL MARKETS)

Washington, March 4 —The United States Government has won an appeal in the Supreme Court against Butterworth-Judson Corp. and others growing out of a war contract for manufacture of picric acid. The Supreme Court holds that upon insolvency of the company, the Government had a lien upon money advanced by it for manufacture of the acid, and maintained in a special bank deposit.

Nyanza Color & Chemical Co., Inc., in a statement filed Jan. 27 shows profit of \$26,416 for 1924 and accumulated surplus \$74,876, accounts receivable \$85,765 plus notes receivable \$6,823, accounts payable \$817, cash on hand \$30,118, and merchandise \$49,901. Reserves are listed at \$12,909. The company is capitalized at \$60,000.

The Philadelphia Section, American Association of Textile Chemists and Colorists, at its meeting on Feb. 13, was addressed by David Wallace, superintendent of American Dyewood Co., Chester, Pa., on "Natural Dyes." Officers elected for this year are: Chairman, Elmer C. Bertolet; treasurer, Carl E. Medde.

Sandoz Chemical Works, Boston, in a statement recently filed shows a loss of \$101,912. There are accounts payable of \$851,070, accounts receivable \$141,000, cash \$81,690, raw materials \$9,510 and merchandise \$778,698.

Sale of the property of the bankrupt Hord Color Products Co., Sandusky, O. scheduled to be held Feb. 21, was postponed because no bids for the minimum of \$35,000 set by the court were received.

H. H. Rosenthal Co., New York, has been appointed sole purchasing agent in this country for U. Doi Shoten, Japan, importer and dealer in chemicals, intermediates and dyes.

A government committee has been appointed to draw up standard specifications for all colors which the government uses.

Dr. W. G. Becker, vice-president of National Aniline Co. sailed Feb. 27 on the Adriatic for a two-months Mediterranean cruise.

Providence Chemical Co. has been awarded a government contract for 200 bottles of methyl blue at \$39.

GAVE DYE CARTEL 650,000,000 MARKS

Berlin is agitated over the payment of 650,000,000 gold marks to the German Dye Cartel by the Stresemann Cabinet for losses claimed as a result of the French occupation of the Ruhr, where the large plants are located.

In a Government announcement seeking to escape responsibility for the gross total of the sums paid as indemnities, it was stated that reparations in kind and losses from unemployment which were due to military occupation of several leading plants at Ludwigshafen and Hoechst, had been more than the 650,000,000 gold marks and that only 50 per cent of the claims had actually been paid. This announcement was offset by charges of several newspapers that without the sanction of the Reichstag the Stresemann Cabinet awarded these sums without sufficient investigation into the merits of industrial claims. The Dye Cartel, in comparison with its pre-war status, not only increased its capitalization by more than 120 per cent, i.e., from 310,000,000 to 791,000,000 gold marks, but its investments also went up from 181,000,000 to 317,000,000 gold marks; its stocks of finished goods and raw materials from 103,000,000 to 215,000,000 marks, and its participations in other enterprises from 33,000,000 to 200,000,000 marks. More criticism was aroused when it became known that these indemnities are not subject to taxation.

Commenting on the financial condition of the German Dye Cartel, the Berlin correspondent of the "New York Daily News Record" says: "The Dye Cartel members are on a financial status which will allow them almost anything in the matter of re-equipment and propaganda, not to mention a low-priced output which will be instrumental in recovering important world markets which have been lost to this industry for some time."

Argentine imports of aniline dyes during 1922 amounted to 473,464 kilos, of which America furnished 80,614 and Germany 350,292 kilos according to Lloyd A. Nolan of the Chemical Division, Bureau of Foreign and Domestic Commerce. Approximate figures for 1923 are United States 264,618, and Germany 626,154 kilos. Direct and sulfur blacks comprise about 37.5 per cent and blacks of all kinds 60 per cent of dye imports.

Atlantic Aniline & Color Co. Inc., Philadelphia, is being organized under state laws to manufacture aniline dyes, dry colors, carbon black and kindred products. Application for a state charter will be made on March 9. The company is headed by Earl G. Harris, Francis H. Bohlen, Jr., and Edmund R. Finegan. It is represented by Saul, Ewing, Remick & Saul, Packard Building, Philadelphia.

Ind. Red B. N. extra paste is dutiable at 30 per cent ad valorem as a dyestuff derived from alizarine instead of 30 per cent and 4 cents a pound as originally assessed under Group 3, Title V, Section 501 of the act of Sept. 8, 1916, according to Judge Brown in sustaining protest of Wetterwald & Pfister Co., New York.

The area in India under indigo cultivation is estimated at 101,900 acres or about 45 per cent less than last year, and the yield is estimated at 19,100 hundredweights, a drop of 47 per cent. Decreased demand is given as the cause for decrease in cultivation.

National Aniline & Chemical Co. has issued a book of "Dyer's Formulas" giving the various dyestuffs to be used together in order to obtain the shades included in the 1925 Spring season shade card of the Textile Color Card Association of the United States.

The Oil Market

Current Spot Quotation of Oils, Tallow, Greases, pages 691-692

LINSEED OIL HEADS GENERAL RECOVERY

Up 8c at Crushers—Coconut, Corn, Cottonseed, Palm, Peanut and Rapeseed Oils Advance $\frac{1}{4}$ c to $\frac{1}{2}$ c on Stronger Market—Greases, Stearine, Oleo Oil and Tallow Up with Lard Strong at Former Figure—Chinawood, Sesame, Soya Bean, Sperm Oils and Olive Oil Foots Slightly Weaker—Fish Oils Quiet.

PRICE CHANGES IN NEW YORK (Stocks in First Hands)

Advanced	
Coconut Oil, $\frac{3}{4}$ c lb.	Palm Oil, $\frac{3}{4}$ c to $\frac{1}{2}$ c lb.
Corn Oil, ref., $\frac{1}{4}$ c lb.	Peanut Oil, $\frac{1}{2}$ c lb.
Cottonseed Oil, $\frac{1}{4}$ c to $\frac{1}{2}$ c lb.	Rapeseed Oil, 1c gal.
Greases, $\frac{1}{4}$ c to $\frac{1}{2}$ c lb.	Stearine, $\frac{3}{4}$ c lb.
Linseed Oil, 8c gal.	Tallow, extra loose, $\frac{1}{2}$ c lb.
Oleo Oil, $\frac{1}{2}$ c to $\frac{3}{4}$ c lb.	
Declined	
Chinawood Oil, bulk, $\frac{1}{2}$ c lb.	Sesame Oil, $\frac{1}{2}$ c lb.
Olive Oil Foots, $\frac{1}{4}$ c lb.	Soya Bean Oil, coast, $\frac{1}{2}$ c lb.
	Sperm Oil, 45°, 3c gal.

Trend of the Market

	Today	Last Week	Last Month	Last Year	War Peak	Pre-War
Cod Oil, N. F.....gal.	.62	.62	.58	.68	\$1.26	\$.26%
Degras, American, bbl...lb.	.044	.044	.044	.044	.23	.08%
Lard No. 1.....gal.	.91	.91	.98	.87	2.90	.92
Menhaden, crd. tks.....gal.	.55	.55	.60	.50	1.29	.33
Neatsfoot, 20 deg. c.t.gal.	1.29%	1.29%	1.20	1.27	3.45	.95
Red Oil, distilled.....lb.	.114	.114	.114	.09%	.17	.07
Stearic Acid, T. P.....lb.	.164	.164	.164	.134	.33	.12
Coconut, Ceylon, bbl...lb.	.104	.10	.11%	.10	.90	.14
Cottonseed, crude, tks...lb.	.094	.08%	.09%	.08%	.23	.08
Linseed, crude.....gal.	1.20	1.13	1.17	.94	1.85	.57
Olive, denatured.....gal.	1.30	1.30	1.30	1.23	4.50	1.05
Peanut, refined.....lb.	.14%	.14	.16	.16	.30	.08
Soya Bean, bbls.....lb.	.134	.134	.134	.12	.19%	.07
Average .....	.024	.036	.026	.080	1.20	.362

With latest figures on the flaxseed crop lower than earlier estimates, linseed oil advanced sharply, last week, with a concurrent strengthening of the majority of vegetable oils. It is felt that the bottom of the oil market was struck last week, and dealers are looking for a rapid upturn during March. The rally started in animal oils, continued with advances shown in tallow, greases, stearine and oleo oils. The beginning of the week saw some hectic trading in lard although producers have not yet advanced their prices, but they may do so at any time. As recently forecast, the receipts of hogs have materially fallen off and a continued strengthening of animal oils is to be expected. Fish oils remain quiet with a decrease of price shown in 45° sperm oil. No renewed activity is to be looked for until the fishing season reopens.

Vegetable Oils

Castor Oil—No change has been shown in this material with prices for No. 1 at $17\frac{1}{2}$ c and No. 3 at 17c lb. in barrels.

Chinawood Oil—This market is described by some dealers as "soft" or "sloppy" with spot prices for tanks in New York down to $12\frac{1}{4}$ c@ $12\frac{1}{2}$ c lb. and at the coast to $11\frac{1}{4}$ c lb. Smaller lots in New York remain at $13\frac{1}{2}$ c@ 14 c lb. and it is reported that the market in China is improving. Imports for last week, 975 casks.

Coconut Oil—Slight recovery has appeared in this material with advances of $\frac{1}{4}$ c for Ceylon material. Now quoted at $10\frac{1}{4}$ c@ $10\frac{1}{2}$ c lb. in barrels and $9\frac{1}{2}$ c in

tanks. Cochin remains unchanged at 11 c@ $11\frac{1}{2}$ c in barrels and $10\frac{1}{2}$ c in tanks. Manila is now about on a par with Ceylon at $10\frac{1}{4}$ c@ $10\frac{1}{2}$ c in barrels and 9c in tanks at Pacific coast. Imports for last week 698 tons.

Corn Oil—Refined material recovered to $13\frac{1}{4}$ c lb. with crude remaining at 9 c@ $9\frac{1}{2}$ c in tanks at the mills and 11 c@ 12 c in barrels, New York.

Cottonseed Oil—This material advanced to $10\frac{1}{2}$ c lb for prime summer yellow, $9\frac{1}{4}$ c@ $9\frac{1}{2}$ c for crude and remained unchanged at 13 c@ $13\frac{1}{4}$ c for winter yellow.

Linseed Oil—Following a rapid advance in the seed market due to latest estimates of the crop being below former estimates, linseed oil advanced 5c in one day and 3c the next day at the last of the week. March-April delivery now quoted at \$1.20 and May-August delivery at \$1.21 with five barrel lots named at \$1.23. The seed market closed in Winnipeg at \$2.77 for May, \$2.78 for July and \$2.42 for October; Duluth closed at \$3.14 for March, \$3.14 for April, \$3.14 for May and \$3.13 for July; Minneapolis closed at \$3.15 for March, \$3.18 for May and \$3.17 for July, and Buenos Aires was up to \$2.45. Linseed oil in London was up to 51s and in Antwerp at 438f per 100 kilos.

Olive Oil—No change shown in this material with prices at \$1.30@ 1.35 gal. for denatured in New York and \$2.00@ 2.30 for edible. Imports for last week 6,042 cases.

Olive Oil Foots—A further decline was recorded last week with spot material and shipments quoted at $9\frac{1}{4}$ c @ $9\frac{1}{2}$ c lb.

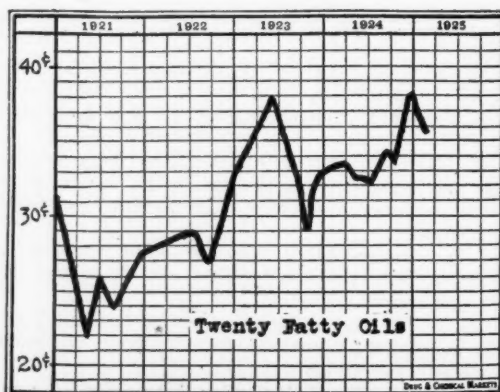
Palm Oil—An advance was shown in this material with Lagos up to $9\frac{1}{4}$ c@ $9\frac{1}{2}$ c lb. Niger up to $8\frac{3}{4}$ c@ $9\frac{1}{4}$ c lb. and Bonny old Calabar nominal at $8\frac{3}{4}$ c lb. Import for last week, 464 casks and 785 tons.

Palm Kernel Oil—No change in this material with prices at 10 c@ $10\frac{1}{2}$ c lb.

Perilla Oil—This material remains nominal with price at $15\frac{1}{2}$ c lb.

Rapeseed Oil—An advance was shown in this material with new price at 93 c@ 95 c gal. for refined material.

Sesame Oil—This material declined $\frac{1}{4}$ c now quoting at $13\frac{1}{4}$ c@ 15 c lb. Imports for last week, 150 barrels.



Soya Bean Oil—Material at the coast is now down to 10½c lb. with New York prices unchanged at 12½c for the crude in tanks and 13½c@14c in barrels and 14½c for refined material.

Animal Oils

Greases—An upward tendency is now manifest in this material with choice white up to 11½c@11¾c lb., yellow up to 8½c, and brown up to 8½c. House remains unchanged at 8½c lb.

Lard Oil—This material is much stronger although no price advance has yet appeared. Prime edible is still quoted at 18½c lb., off prime at 15½c, extra at 14½c, extra No. 1 at 13½c, No. 1 at 13c and No. 2 at 12½c.

Neatsfoot Oil—No change reported in this situation with prices for 20° c.t. at 18½c lb., pure at 15½c, extra at 13½c and No. 1 at 13c.

Oleo Oil—An advance was shown in this material with No. 1 up to 12½c, No. 2 to 11½c and No. 3 to 10½c.

Red Oil—No change reported in this market with saponified material steady at 11½c lb. in barrels and 11c in tanks. Refined unchanged at 11½c lb. in barrels.

Stearic Acid—This material has not changed further since last week and is still quoting at 13c lb. for single pressed, 14½c@14¾c for double pressed and 16½c@17c for the triple pressed.

Stearine Oleo—A further advance recorded in this last week with new price at 11½c lb.

Tallow—A slight recovery was shown in city extra loose material last week coming up to 9c@9½c lb. Edible material remained steady at 10½c lb.

Tallow Oil—No change shown in this situation at prices of 12c in tanks and 13½c in barrels.

Fish Oils

Cod Oil—No new activity reported in this material with prices holding steady at 62c@65c in barrels and 55c@57c in tanks for Norwegian material. Imports for last week, 500 casks.

Menhaden Oil—Crude material remains nominal with light pressed unchanged at 80c@82c gal. in barrels. Yellow bleached material steady at 83c@85c gal. and extra bleached at 85c@87c gal. Blown steady at 11c lb.

HANKOW INCREASES WOOD-OIL TRADE

The twelve months of 1923 witnessed a large increase in Hankow's wood-oil trade, says Consul General P. S. Heintzleman, Hankow. The demand from abroad continued brisk throughout the year—which again was a record one for the trade. The increase in the quantity exported abroad was not as marked as the advance in the value, due to the high prices prevailing throughout the greater part of the year. Wood-oil shipments from Hankow in 1923 aggregated 18,356,320 gallons, valued at \$18,614,183—an increase from an exportation of 17,402,293 gallons, valued at \$11,297,008, in 1922, and 11,936,333 gallons, worth \$6,575,417, in 1921. The export trade in wood-oil from Hankow to the United States recorded an expansion from 9,500,041 gallons in 1922 to 10,382,588 in 1923, the total declared values of shipments being \$7,864,064 and \$13,765,487, respectively. The corresponding figures for 1921 were 4,151,892 gallons and \$3,135,160. Nearly all large shipments are now made in bulk, and, as a result, many of the firms ship in tank steamers.

The crop of wood-oil nuts in 1923 was good in both quantity and quality, and the harvest yielded about 40,000 tons of oil for export. The prospects for 1924 in this trade are considered good.

Oil Trade Notes

Sherwin-Williams Co. has filed judgment in New York County against Max Nicholas for \$960.50.

The Tariff Commission has submitted to President Coolidge a report recommending a reduction in the tariff on linseed oil.

Pine Institute of America is to be the name of an association of naval stores interests the object of which will be to gather information for the industry.

Borne-Scrymser Co. reports net income of \$147,715 for 1924, or \$14.77 a share against \$13.10 earned per share in 1923. After payment of dividends the surplus will be \$27.715.

A meeting to discuss an opaque rosin standard for the United States is to be held at the Bureau of Chemistry Washington, D. C., May 4, 1925, at 10 A.M., the Secretary of Agriculture announces.

Stockholders of R. F. Johnston Paint Co., Cincinnati, have approved the issue of an additional \$600,000 8 per cent preferred stock and the increase of no-par common stock from 3,600 shares to 7,000 shares.

Paraffin Companies, Ltd., has made an addition to its plant at Emeryville, Cal., at a cost of \$300,000. The business of the company during January was 40 per cent more than for the corresponding month a year ago.

American Plywood Co., recently organized at San Francisco with capital of \$500,000, will build a plant in Contra Costa county for the manufacture of plywood products and glue from wood pulp. The directors of the company are Cerf Rosenthal, George Larrabee and W. J. McMillan.

Final argument was held last week by the Federal Trade Commission in its case against Johnson Process Glue Co., New York, which it charged with commercial bribery. According to E. J. Hornibrook, attorney for the Commission, I. Steinberg, the company's factory manager in July, 1921, offered \$500 to employees of a Chicago publishing house if an order was placed for a carload of the Johnson company's flexible glue. No appearance was made at the final argument for the glue company.

Owing to the troubles encountered in drying glues and gelatines in sheet, flake and powdered form, German chemists have been working on a new process which possesses all the advantages of flaked material, Dr. Hermann Stadlinger, director of Akt.-Ges. fur Chemische Produkte vormals H. Scheidemandel, Berlin, is producing glue and gelatine in pearl-like, solidified drops by forcing the glue or gelatine extract through fine crifices into a liquid or gaseous medium in which drops form and solidify within 60 seconds.

France is far the most important importer of peanuts in the world, according to a pamphlet just issued by the Department of Commerce on the vegetable oil industry of France. Before the war almost half the oil made in France from imported products was extracted from peanuts. About half the supply comes from the French West African colonies, chiefly from Senegal. The next chief source of supply is British India, from which the shelled nuts come known as Coromandel. After peanuts, copra and palm-oil products are the most important raw materials for edible oils taken by the French market. Olive oil, the pamphlet says, is no longer considered in France to be in the same class with other edible oils.

Miscellaneous Raw Materials

Heavy Chemicals 666-691, Tan and Dyestuff, pages 666-691; Fatty Oils, 691-692

DEXTRINES AND BRITISH GUM LOWER

Sulfate Ammonia Off for Export—Demand Stiffens Soda Nitrate Position—Tin Breaks in London and Salts Follow Here—Metals Weak Except Bismuth—Tankage Prices Reduced—Demand Dull and Competition Keener.

The price trend this week has been downward in most groups. In fertilizer materials, textile sizes, metals and metal salts, raw materials for rubber, leather, and glass, demand for the first two months of 1925 has been distinctly sub-normal. After somewhat of a broadening in early January buyers have returned to a hand-to-mouth policy. The more recent dullness has begun to have its effect on many raw material prices, and competition has again taken on a somewhat keener edge. Tankage prices have been reduced. Sulfate of ammonia for export is easier although local stocks in consuming districts are small. Demand has stiffened the position of soda nitrate. Dextrines and British gum are slightly lower this week. On a break in the tin market in London, the metal and its salts are lower here. All metals appear weak except bismuth which is up 50 per cent this week.

ACCELERATORS

Aniline Oil—See Intermediate and Dye Market report.

Diphenylguanidine—Prices unchanged at \$1.05@\$1.10 lb. spot as to quantity. Contract business reported on increase.

Hexamethylene—Rubber makers' material named steady at 82½¢@85¢ lb. spot as to quantity. Raw material easy, but prices of "hexa" are unchanged.

Thiocarbamide—Dealers report 27¢@29¢ lb. spot as inside prices. Any attempt of consumers to beat down prices has been met with resistance from holders.

Quinoidine—Quoted in active demand at 40¢ lb. spot in drums.

ALBUMENS

Blood—No change in this situation with some dealers asking higher prices and reports of short stocks heard. Prices steady, however, at 47¢@50¢ lb.

Egg—This material is reported easier with prices for edible down to \$1.25@\$1.28 and technical ranging from 95¢ to \$1.20 as to grade.

Vegetable—Makers have advanced the price of this material to 80¢@85¢ lb. for edible with routine business being done.

CLAYS AND FILLERS

Barytes—Normal activity reported for this material with prices for floated domestic material steady at \$23@\$24 ton in barrels. Imported unchanged at \$30@\$35 ton.

Blanc Fixe—This material moving in a routine manner with prices unchanged at \$75@\$90 ton for dry as to grade, color and oil absorption properties and \$50lb\$60 ton for pulp.

Clay—No change in this material which is being delivered at established prices. Imported bulk filler clay steady at \$12.50@\$15.00 ton; coating clay at \$18@\$22 and ground clay at \$20@\$25, containers extra.

Domestic clays steady at \$6@\$9 for crude; \$11@\$13 for washed and ground and \$14@\$16 for high grade material, f.o.b. works.

Talc—No price change reported for the week with normal activity shown. Domestic material quoted at \$12@\$15 ton for crude; \$16@\$18 refined and \$32@\$40 for high grade. French white refined material steady at \$38@\$45 ton and Italian at \$45@\$50 ton.

Whiting—This material continues to move in routine manner with prices unchanged at \$1.00@\$1.15 100 lbs., for domestic material and \$18@\$30 for imported material as to grade.

COLORS AND PIGMENTS

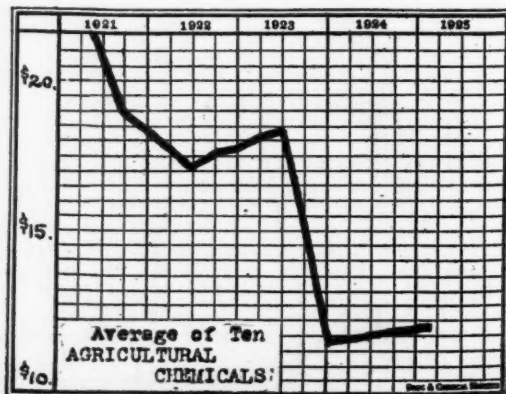
Antimony Sulfurette—Raw material prices are firm and tendency has been to show strength in finished products. The cheaper lots have been disposed of now, and prices of crimson are higher for the lower grades at 42¢@50¢ lb. spot, and golden at 19¢@24¢ lb.

Blues—Demand for these pigments has increased but no price change has yet been made. Prussian, soluble, Chinese, Milori and bronze continue to be quoted at 35¢@37¢ lb.

Carbon Black—Works generally named at 6¢@6¼¢ lb. in c/l for ordinary, although one source is still quoting 5¼¢ lb. Large quantity demand active, but spot inquiry is reported spotty. Ordinary on spot quoted at 9¢@10¢ lb. in lc/c in cases; air floated, 10¢@11¢ lb; and compressed, 9¢@10¢ lb.

Agricultural Chemicals

	Today	Last	Last	Last	War	Pre-
	Week	Month	Year	Peak	Year	War
Acid Sulfuric, 66°	ton \$14.00	\$14.00	\$14.00	\$14.50	\$35.00	\$20.00
Ammonium Sulfate, 100lbs.	2.95	2.95	2.75	3.00	7.75	2.65
Arsenic	lb. .05¼	.05¼	.05¼	.11½	.18	.04
Copper Sulfate	100lbs. 4.70	4.70	4.70	4.65	20.00	4.05
Paris Green .....	.21	.21	.25	.26	.50	.11
Potash Muriate, 90%	ton 34.55	34.55	34.55	35.55	..	..
Potash Sulfate, 90%	ton 45.85	45.85	45.85	45.85	440.00	48.07
Phosphate, Acid, 16%	ton 9.50	9.50	9.50	7.50	21.00	15.00
Phosphate, Rock 68%	ton 2.25	2.25	2.25	2.25	11.00	3.00
Sodium Nitrate	100lbs. 2.66	2.66	2.62	2.49	5.00	1.90
Average	11.672	11.672	11.652	11.814	103.50	13.84



Chrome Colors—Despite increased activity no price change has been made. Yellow continues to be quoted at 20c@22c lb. and C.P. greens at 30c@38c lb. as to shade. Commercial greens steady at 6½c@11c as to percentage color and grade.

Iron Oxide—Spanish oxide continues steady at 2¼@3¼c lb. domestic at 3c@5c for the natural and English and domestic manufactured at 10c@12c.

Lithopone—Steady prices continue with increasing activity. Domestic material named at 6½c@6¾c lb. and imported at 5c@6c lb.

Red Toners—Normal activity exists in these materials with para red toner at 90c@\$1.00 and toluidine red toner at \$1.80@\$2.05.

Vermilion—Prices continue steady at around \$1.35@-\$1.40 although figures have been heard on both sides of that. With quicksilver at \$78, \$1.35 is considered a fair price for vermilion.

Zinc Oxide—A firmer market exists with prices steady at former figures. French process is quoted at 10½@12¼c lb.; green seal at 11¼c@12½c; white seal at 12c@12¼c and American process at 8¼c@8¾c lb.

DYE AND TAN WOODS

Divi-Divi—Scarcity continues to characterize this material with no deals made under \$55 ton in bags although \$45 is still considered by many to be a good price.

Mangrove—This material continues to be so scarce that no price is quoted.

Myrobalans—No easing up as yet evident in this material with stocks going to Europe and prices continuing high here. J1's still quoted at \$60@\$65 ton, J2's at

\$47@\$50 and R2's at \$47. Imports for last week, 4,000 pockets.

Sumac—A short last year's crop followed by a still shorter crop this year and coupled with demand in England and France keeps the Sicilian material away out of sight. Although offers have been made at around \$178 ton it is considered doubtful if orders could be filled at less than \$180. Virginia material is strong in sympathy at \$55@\$60 ton. Imports for last week, 700 bags.

Valonia—An easier situation prevails in this material than in other dyewoods mentioned with prices fairly steady at \$37 ton for cups, \$54@\$55 for beards and \$43 for mixtures.

Wattle—This material continues steady at \$42.00@-\$43.50 ton.

EXTRACTS

Archil—Some strength shown in this material with prices unchanged at 13c@14c lb. for double; 16c@17c for triple and 18c@20c for concentrated or quadruple.

Chestnut—This material remains very steady at 1¾c@2c lb. for clarified 25% in tanks at works; 2½c@2¾c in barrels and 5½c@5¾c for the 60% powdered in kegs at works.

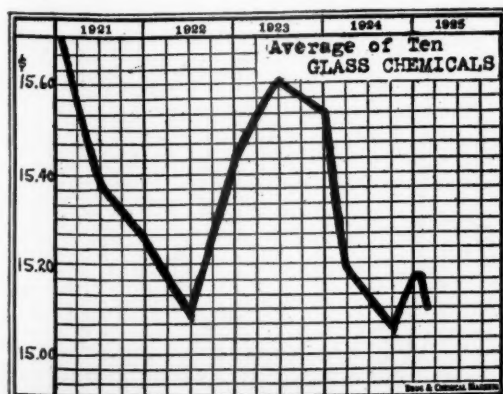
Gambier—No change shown in this material at present although one is looked for in some quarters before long. The common is quoted at 19½c@20c lb. in 200lb. cases; 25% liquid at 14c@15c and Singapore No. 1 cubes at 24c@25c lb.

Hematine—This material continues to be quoted at 9½c@13c for the paste and 14c@20c for crystals with some high grades as high as 30c.

Logwood—Routine movement continues to be evidenced in this material with prices steady at 8¼c@9c

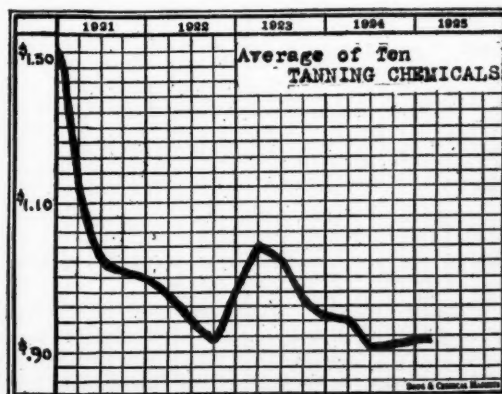
Glass Chemicals

	Today	Last Week	Last Month	Last Year	War Peak	Pre-War
Arsenic	100lb. \$5.25	\$5.25	\$6.75	\$12.75	\$18.00	\$4.00
Fluorspar 96% c.i.f.	ton 34.00	34.00	34.00	33.50	60.00	28.00
Limestone, ground	ton 4.50	4.50	4.50	5.00	8.50	4.00
Litharge	100lb. 12.75	12.75	12.75	10.00	17.00	9.00
Salt Cake	ton 18.00	18.00	18.00	21.00	40.00	15.00
Silica, crude	ton 16.00	10.00	10.00	10.00	20.00	8.00
Soda Ash, dense	100lb. 1.45	1.45	1.45	1.45	4.10	.69
Sodium Silicofluoride 100lb.	4.50	4.50	4.25	6.00	10.00	3.50
Sodium Sulfate, anhyd. 100lb.	3.00	3.00	3.00	3.50	8.00	2.50
Tin Oxide	100lb. 61.00	61.00	58.00	51.00	100.00	60.00
Average	15.445	15.445	15.40	12.50	28.56	13.07



Leather Chemicals

	Today	Last Week	Last Month	Last Year	War Peak	Pre-War
Acid, Acetic, 28%	\$3.12	\$3.12	\$3.12	\$3.38	\$17.00	\$1.50
Acid, Formic, 90% .....	.10½	.10½	.11½	.14	1.50½	.07
Acid, Lactic, 22% dark .....	.08½	.08½	.08½	.09½	.07	.02
Potassium Bichromate .....	.06½	.08½	.08½	.09½	.65	.06½
Epsom Salt, tech.	1.70	1.70	1.70	1.80	3.75	1.60
Sodium Prussiate, Imp. ....	.10	.10½	.10½	.11½	1.25	.18
Soda Ash, 58% wks.	1.35	1.35	1.39	1.38	4.10	.69
Sodium Bichromate .....	.06½	.06½	.06½	.07½	.45	.04½
Sodium Hyposulfite, pra. ..	2.50	2.50	2.50	2.75	3.75	1.80
Sodium Sulfide, 60% wks. ..	.04	.04	.03½	.03½	.10½	.02½
Average	0.915	0.916	0.957	0.981	3.267	0.528



for 51° material, 7c@8c for lower grades and 12¾c@16c for solid.

Myrobalans—This material continues strong with no further price change recorded. The 25% liquid is quoted at 4c@5c lb. in barrels and the 50% solid at 8c with some imported material named at 6c lb.

Osage Orange—This material continues strong with no changes made in prices. The liquid is quoted at 6¾c@7c lb and the powdered at 13¾c@14c lb.

Quebracho—The 35% liquid in tanks continues to be named at 3¾c@4c lb. and in barrels at 3¾c@4c with 35% bleaching at 4¾c@5½c and solid at 5c Imports for last week, 33,365 bags.

FERTILIZERS

Ammoniates—This market is still fairly quiet but dealers are looking for its opening up this month and next. Dried blood is still steady at \$3.60 unit f.o.b. New York and \$3.50 unit in Chicago. Steamed bone is unchanged at \$22@23 unit in Chicago and raw bone at \$32.50@34.00 in New York. Fish scrap is nominal since no new material is arriving but prices are still quoted around \$4.50 and 10c unit for dry and \$4.50 and 50c for acidulated of which there is still some to be had in Wilmington. Tankage has shown a falling off and is now quoted at \$3.50 and 10c unit for screened and ground material in New York and \$3.10 and 10c in Chicago.

Ammonium Sulfate—No stocks available in the South which is looking to the North for supplies. Prices remain steady at \$2.00@3.00 delivered at northern points and \$3.10@3.15 delivered at southern points. Export material is reported easier at \$2.80 f.a.s.

Acid Phosphate—No change is seen in this general situation with 16% guaranteed material continuing to be quoted at \$9.50.

Cynamide—Prices for this seem to be pretty well established at \$1.95@2.00 for immediate delivery and \$1.85 for March-April shipment.

Nitrogenous Material—This material continues to be one of the most active of this group with prices steady around \$3.25 c.i.f. Atlantic ports.

Sodium Nitrate—See Heavy Chemical Market Report.

Cottonseed Meal—No change indicated in this material with prices remaining steady at \$33@35 ton for 7 per cent material.

Phosphate Rock—This material remains unchanged at established prices of \$2.15 for 68% Florida pebble; \$2.35 for 70%; \$3.75 for 74 to 75% and \$5.50 for 72% Tennessee.

INSECTICIDES AND FUNGICIDES

Arsenic—See Heavy Chemical Market Report.

Calcium Arsenate—No change in this material since last week's reduction. Still quoted at 6c@8c lb. with some interest now in evidence.

Copper Carbonate—Prices remain steady at 16¾c@17¾c lb. despite recent reports that lower figures can be done.

Copper Sulfate—See Heavy Chemical Market Report.

Lead Arsenate—This material remains rather weak at last week's reduction with price now at 15c@16c for dry material in carlots and 9c@11c for the paste.

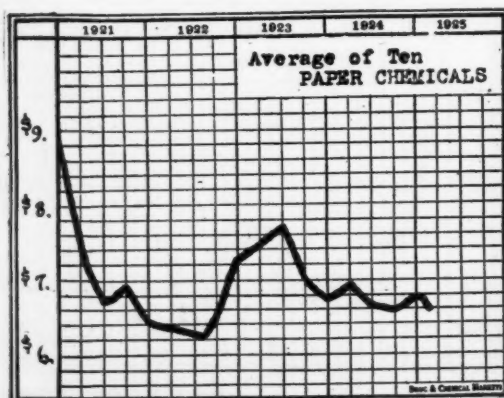
Paris Green—Makers continue to produce this material in anticipation of the season with prices now down to 21c@24c less 15% for the arsenic basis in kegs.

METALS

Except in the case of bismuth, all metals slumped last week in sympathy with a slump in London which was

Paper Chemicals

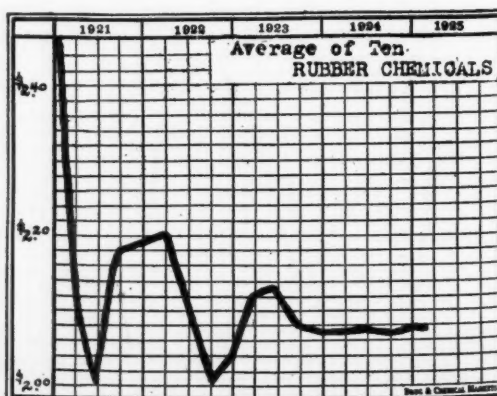
	Today	Last Week	Last Month	Last Year	War Peak	Pre-War
Aluminum Sulfate	\$2.00	\$2.00	\$2.00	\$2.40	\$5.50	\$1.50
Bleaching Powder	1.90	1.90	1.90	1.75	9.50	1.50
Casein .....	.13	.13	.11	.11	.28	.20
China Clay, Dom.	10.00	10.00	10.00	10.00	25.00	8.00
Chlorine c/l Cyl. ....	.05½	.05½	.05½	.05	.50	.08
Salt Cake	17.00	17.00	19.00	20.00	80.00	11.00
Sodium Silicate, 40° ..	.80	.80	.80	.80	1.75	2.00
Soda Ash, 58% wks.	1.38	1.38	1.38	1.38	4.10	.60
Sulfur	18.00	18.00	18.00	18.00	65.00	20.00
Rosin F grade	8.25	8.20	8.30	5.85	4.50	20.25
Average	5.951	5.946	6.155	6.015	13.30	5.50



INDUSTRIAL CHEMICAL SECTION

Rubber Chemicals

	Today	Last Week	Last Month	Last Year	War Peak	Pre-War
Antimony, Sulfide Crim..	\$3.39	\$3.39	\$3.39	\$3.39	\$4.45	\$3.35
Carbon Bisulfide .....	.06	.06	.06	.06	.50	.10
Carbon Black .....	.09	.09	.09½	.11	.30	.14
China Clay, Imp.	16.00	16.00	16.00	16.00	20.00	14.00
Hexamethylene .....	.82½	.82½	.82½	.82½	1.35	
Iron Oxide, Span. ....	.03	.03	.03	.03½	.04½	.05
Lithopone .....	.06½	.06½	.06½	.06½	.08	.04
Sulfur	3.00	3.00	3.00	3.05	6.50	2.75
Whiting, Dom.	14.00	14.00	14.00	14.00	30.00	11.00
Zinc Oxide, Amer. ....	.08¼	.08¼	.08¼	.07¼	.09¼	.09
Average	3.454	3.454	3.449	3.462	5.937	..



led by tin. Spot stocks of antimony are nominal at 17½¢@18¢ lb. with March arrivals quoted at 16¢. Bismuth took a jump of 50% following the regaining of control by the Rothschilds moving on the London market from 5s to 7s 6d. New York prices went from \$1.35 to \$2.12. Copper went to still lower figures where producers are holding in hopes that buying for the second quarter will be speeded up if no further decline can be expected. At the beginning of this week lake material quoted at \$14.75@14.87½ 100lb.; electrolytic material was down to \$14.50@14.62½ and casting down to \$14.00. Lead also recorded a further decrease opening the week at \$8.87½@9.25 for spot material in New York and \$8.70@8.75 in East St. Louis. Zinc dropped to \$7.60@7.65 in New York and to \$7.25@7.30 in East St. Louis.

NAVAL STORES

Rosins—Fair inquiry shown in this material during the past week with levelling of prices in lower grades. Grades B to H steady at \$8.25 per 280lb lot, a raising of price in lowest grades and a decline of 5c for H grade; grade I down 5c to \$8.30; K down to \$8.50; M unchanged at \$8.90; N down to \$9.25; and WG and WW unchanged at \$9.50 and \$10.60 respectively.

Pine Oil—No change in this situation with steam distilled oil steady at 66c and destructive distilled at 63c@64c.

Tar—This material continues firm at \$13.50 for both the kiln and retort product.

Turpentine—There was nothing to feature this market during the past week except a ½c raise in price to 94½c for the steam distilled and 84½c for destructive distilled. (Special Correspondence to DRUG & CHEMICAL MARKETS)

Savannah, Ga., Feb. 28.—Rosin prices were maintained on fine grades until the last day when WG, N and M de-

clined 10c. Medium and common grades declined steadily during the week and showed only a slight recovery at the closing. Demand is increasing and available stocks are decreasing. Closing quotations were: B, D, E, F, G & H \$6.90; I, \$6.95; K, \$7.10; M, \$7.60; N, \$7.90; WG, \$8.20; WW, \$9.30; X, \$9.40. Receipts for the week were 3,911 bbls.; and stock on hand is 63,676 bbls.

Turpentine closed firm at 88c after showing practically no change during the week, although some material changed hands at 87½c. The stocks are expected to be reduced at least 1,500 bbls. during the coming week for export. Stocks at present are about 1,000 bbls. less than at the same time last year. Summer futures are still reported to be obtainable at 82½c. Receipts for the week were 373 bbls.; and stock on hand totals 8,557 bbls.

Jacksonville, Fla., Feb. 28.—Rosin closed firm with sales of 273 bbls. at the following prices: B \$6.70; D \$6.75; E, F, G \$6.85; H \$6.90; I \$6.95; K \$7.20; M \$7.75; N \$8.05; WG \$8.25; WW \$9.25; X \$9.33. Turpentine closed firm at 87½c@87¾ with bids at these figures refused on 154 bbls. Turpentine stocks 19,706 bbls.; rosin stocks 100,425 bbls.

STARCHES, DEXTRINES AND SIZES

Amber Sorts—See Crude Drug Market—Arabic Gum.

British Gum—An easier condition exists in this market with prices down to \$4.92 for carlots and \$5.02 for less than carlots.

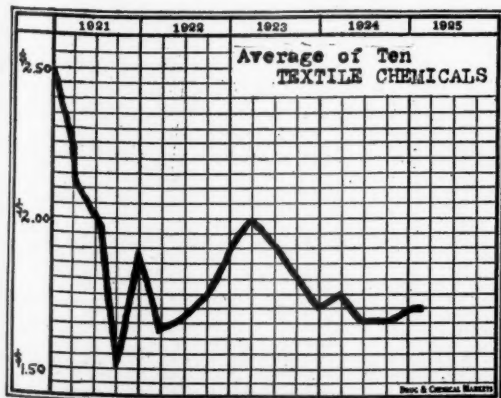
Casein—Low seasonal production with a fairly active demand keeps the prices of this material up to 13c@13½c for imported, duty paid; 13½c for domestic ordinary mesh and 16½c for domestic 100 mesh.

Dextrine—This market is easier with yellow corn dextrine at \$4.67 for carlots and \$4.77 for less than carlots, white corn dextrine down to \$4.62 for carlots and \$4.72 for less than carlots. Potato dextrine remains unchanged at 8½c@9c in less than carlots.

Starch—No change has been seen in this material with prices steady at \$4.07@4.17 for powdered corn starch according to amount purchased; \$3.97@4.07 for pearl, prices being for 100lb lots and domestic potato starch is steady at 5c@5¼c lb. and imported at 67½c@7c lb.

Textile Chemicals

	Today	Last Week	Last Month	Last Year	War Peak	Pre-War
Acid, Acetic, 28%	\$3.12	\$3.12	\$3.12	\$3.38	\$17.00	\$1.50
Acid Oxalic .....	.10¼	.10¼	.10¼	.11	.70	.07½
Bleaching Powder	1.90	1.90	1.90	1.75	9.50	1.50
Copper Sulfate	4.70	4.70	4.70	4.75	20.00	4.50
Epsom Salt, U.S.P.	2.15	2.15	2.15	2.10	4.25	1.90
Glauber's Salt	1.28	1.25	1.25	1.30	2.50	.80
Potash, Caustic, Imp. ....	.07½	.07½	.07½	.06¾	.87	.12
Soda Ash, 58% wks.	1.33	1.33	1.33	1.38	1.10	.69
Soda Ash, 76% wks.	3.10	3.10	3.10	3.10	9.50	1.80
Sodium Bichromate ....	.06½	.06½	.06½	.07½	.45	.04½
Average	1.784	1.784	1.785	1.803	4.800	1.25



New Incorporations

Jaeger Chemical Co., New York, \$100,000. H. J. Jaeger, A. M. Gerbalt, E. F. Dumesnil. Attorneys, Putney, Twombly & Putney, New York.

North America Chemical Corp., Little Falls, N. Y., 150 shares, \$100 each, 6,000 common, no par. T. Cleathero, A. H. Odell, W. H. Chrystie. Attorney, E. B. Levy, New York.

H. J. Dennys & Co., Ventnor City, N. J., \$125,000. Drugs. Harry J. Dennys, Clawson S. Coles, Elizabeth R. Coles. Attorney, Joseph B. Tyler, Camden, N. J.

Chas. D. Kaier Co., Dover, Del., \$100,000. Beverages. Lloyd W. Fahler, Mary Kaier Fahler, F. J. Kaier. Corporation Trust Co. of America.

Majestic Chemical Co., Wilmington, Del., \$30,000. Corporation Service Co.

Margo-Nance, New York, 200 common, no par. Perfumery. H. E. Herman, A. O. Ernst, H. Lerlich. Attorneys, Herman & Ernst, New York.

E. S. Bartlett & Son, Inc., Woburn, Mass., \$50,000. Waterproofing. F. S. Bartlett, E. C. Bartlett, G. P. Wyrer. . .

Economic Shoe Cleaner Products, Dover, Del. \$100,000. Corporation Trust Co. of Delaware.

International Molasses Corp., Wilmington, Del., \$40,000. American Charter Co.

Odorkure Sales Corp., New York, \$50,000. J. V. O'Leary, R. L. Wilson, J. E. McIntyre. Attorneys, McIntyre & O'Leary, New York.

Industrial Refining Co., New York, \$25,000. Compounds for prevention of corrosion. P. Edwards, J. Ringrose, N. Brown, Attorney, M. Leffert, N. Y.

Tetrine Chemical Co., New York, 200 common, no par. Fire extinguishers. J. M. Ware, S. B. Butler, H. G. Smith. Attorneys, Goldberg & Newhouse, N. Y.

QUOTATIONS ON CHEMICAL STOCKS

Closing Prices for Week Ending Feb. 28

	Bid	Asked		Bid	Asked
*Air Reduction	108 1/4	108 3/4	Hercules Powder	96	102
*Allied Chem. & D.	88 1/4	89	Hercules Powd., pf. 106	106	108
*Allied C. & D., pf. 119	120		Heyden Chem.	2 1/4	—
*Am. Ag. Ch.	19 1/4	19 3/4	Hooker Electro	12	15
*Am. Ag. Ch., pf.	50 1/4	51	Hooker Electro, pf.	40	45
*Am. Chicle	42 1/4	43 1/4	*Household Products. 35 1/4	35 1/4	35 1/4
*Am. Chicle, pf.	90	90 1/4	*Int. Agricult.	11 1/4	12
*Am. Cyan.	137	141	*Int. Agricult., new. 8 1/4	9	9
*Am. Cyan., pf.	84 1/4	85 1/4	*Int. Nickel	26 1/4	27
*Am. Druggists, S.	6 1/4	6 1/4	*Int. Nickel, pf.	97	99
Am. Glue	47	50	*Int. Salt	70 1/4	77
Am. Glue, pf.	106	109	*Mathieson Alk.	69	69 1/4
*Am. Linseed	26	26 1/4	*Mathieson Alk., pf. 97 1/4	98	98
*Am. Linseed, pf.	63	65	MacAnd. & Forbes. 153	157	157
*Am. Metal	49 1/4	50	MacA. & Forbes, pf. 100	102	102
*Am. Zinc	9	10	Merck & Co., pf.	57	60
*Am. Zinc, pf.	31 1/4	31 1/4	Merrimac	84	86
Archer-Dan-Mid.	33 1/4	34 1/4	Mulford Co.	30	33
Archer-Dan-Mid., pf. 96	96 1/4	96 1/4	*National Lead	158	160
*Atlas Powder	50	52 1/4	*National Lead, pf. 116 1/4	119	119
*Atlas Powd., pf.	92	94 1/4	Niag. A., pf.	80	85
By-Prod. Co.	46	49	N. J. Zinc	160	164
By-Prod. Co., pf.	102	105	Parke, Davis & Co. 77	80	80
Canad. Ind. Al.	18 1/4	19 1/4	Penn Salt	81	83
Canad. Salt	105	115	*Peoples Gas, Chi. 117 1/4	117 1/4	117 1/4
Casein Co.	62	66	Procter & Gamble. 111	113	113
Celluloid Co.	42	45	Procter & Gam., pf. 158	—	—
Celluloid Co., pf.	92	96	Royal Bkg. Pow.	148	152
*Certain-teed Prods. 46 1/4	46 1/4	46 1/4	Royal Bkg. Pow., pf. 100	101	101
Charcoal Iron	10	20	Shawinigan	130	132
Ches. Mfg.	47	49	Sherwin-Williams	344 1/4	—
Ches. Mfg., pf.	112	115	Sherwin-Will., 1st pf. 104 1/4	64	64
Clark Co., Fred.	2 1/4	4	*Sterling Prod.	63 1/4	64
Cleveland Iron	70	78	Swan & Finch	20	24
*Com. Solv. A.	161	170	*Tenn. C. & Chem.	8 1/4	8 1/4
Do. B.	160	163	*Tex. Gulf., Sul.	102 1/4	103 1/4
*Corn Products	40 1/4	40 1/4	Union Carbide	9 1/4	118
*Corn Products, pf. 121 1/4	123	123	*Un. Drug	116 1/4	116 1/4
*Davison Chem.	44	44 1/4	*Un. Drug, 1st pf.	52	52 1/4
Dow Chem. no par.	53	65	*Un. Dyewood	20	26
Dow Chem., pf.	98	102	*Un. Dyewood, pf.	52	85
Dow Drug Co.	140	149	Un. Gas Imp.	57	59
Dow Drug Co., pf.	105	108	Un. Gas Imp., pf.	35	87
*Du Pont de Nem.	147 1/4	148 1/4	U. S. Gypsum	127	132
*Eastman Kodak	112	113	*U. S. Indus. Al.	83 1/4	84
*Eastman Kodak, pf. 111 1/4	—	—	*U. S. Indus. Al., pf. 105	107	107
*Freemport Tex.	9 1/4	9 1/4	*Va. Car. Ch.	2 1/4	3
*Gen. Asphalt	56	56 1/4	*Va. Car. Ch., pf.	11 1/4	12
*Genl. Asphalt, pf.	92 1/4	97	*V. Vivaudou	11 1/4	11 1/4
*Gold Dust	37 1/4	39	Will & Baumer	12	14
Grasselli	125	130			
Grasselli, pf.	101	108			

*Listed on New York Stock Exchange

Unlisted Stocks Through Courtesy Pyncheon & Co.

FOREIGN EXCHANGE		Per	Current
Great Britain (pound sterling)		\$4.866	\$4.75
France (franc) .....		.183	.051
Italy (lira) .....		.193	.040
Belgium (franc) .....		.193	.050
Czechoslovakia (crown) per hundred		20.30	.029
Denmark (krone) .....		.268	.178
Germany (mark) .....		.238	.238
Holland (florin) .....		.402	.399
Norway (krone) .....		.258	.152
Poland (zloty) .....		.193	.192
Spain (peseta) .....		.193	.141
Sweden (krone) .....		.268	.269
Switzerland (franc) .....		.193	.192
Argentina (peso) .....		.424	.398
Brazil (milreis)		3.24	.110
Japan (yen) .....		.499	.396
India (rupee) .....		.485	.355
China (Silver dollar, Hongkong) .....		.789	.548
(Tael-Peking, silver)		1.156	.782
(Tael-Shanghai, silver)		1.986	.748

Further growth in production during January carried the output of basic commodities to the highest point reached since the spring of 1923. Employment at industrial establishments increased slightly, but remained below the level of a year ago, says the Federal Reserve Board.

Texas Guli Sulphur Co. has declared the regular quarterly dividend of \$1.75 a share, payable March 14 to stock of record March 2.

Financial Notes

Air Reduction and Allied Dye and Chemical stocks set new high records for 1925 on an active market on Feb. 26.

Mathieson Alkali has declared a quarterly dividend of 1 1/4 per cent on the preferred stock to holders of record March 20, payable April 1.

National Lead Co. has declared the regular quarterly dividend of \$2 a share on the common stock, payable March 31 to stock of record March 13.

Grasselli Chemical Co. reports for the year ended Dec. 31, 1924, net profit of \$3,032,292, or \$13.21 a share, against \$3,420,754, or \$14.50 a share in 1923.

Allied Chemical & Dye Corp. has declared a regular quarterly dividend of 1 1/4% on preferred stock, payable April 1 to stocks of record March 13.

American Glue Co. reports a surplus of \$242,549 for 1924. This equals \$5.55 a share earned on the 43,677 shares of common stock, as compared with \$81,379, or \$1.86 a share, in 1923.

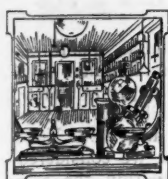
United Drug Co. have had \$1,500,000 additional common stock and \$12,813,800 additional 7 per cent preferred stock admitted to trading on the New York Stock Exchange bringing the total up to \$38,418,300 common stock and \$32,648,800 preferred stock.

E. I. du Pont de Nemours & Co. will call a substantial block of the 7 1/2 per cent ten-year gold bonds for redemption on May 1. Of the original issue of \$35,000,000 made in May, 1921, \$18,074,000 now remain outstanding, the company having redeemed the remaining \$16,926,000 at intervals since that time.

Certain-teed Products Corp. reports operating profits of \$5,255,679 for 1924, and net profits after all reserves have been deducted of \$1,287,485 available for dividends. After preferred dividends the balance is equivalent to \$8.36 a share for the 92,000 shares no par common stock, against \$3.35 for 1923.

Corn Products Refining Co. for the year ended Dec. 31, 1924, reports net income of \$10,899,296, which after preferred dividends is equal to \$3.61 a share of \$25 par and which compares with \$10,471,559 or \$17.54 a share of \$100 par in 1923. As of December 31, 1924, current assets were \$44,202,989 and current liabilities \$3,748,291, leaving a net working capital of \$40,454,698, against \$35,067,682 in 1923. Cash was \$2,397,880, against \$1,690,707 in 1923, time loans of \$1,671,456 compare with \$2,344,129 in the previous year while marketable securities were \$15,564,665, against \$14,286,852 in 1923.

Natural Soda Products Co., which operates a plant on Owens Lake, near Keeler, Cal., shows increased business in 1924 of 30 per cent over 1923, says W. W. Watterson, president. During the year stockholders were paid \$120,000 in twelve consecutive monthly dividends of 1 per cent. Products shipped from the company's plant during 1924 amounted to 42,796 tons, compared with 22,937 tons in 1923. Sales of burned lime, a by-product, increased from a few hundred dollars in 1922 to almost \$50,000 in 1924. Calcium limestone of a grade far superior to that previously used in the manufacture and refining of soda products is now being obtained.



Drug & Fine Chemical

SECTION



The 1925 Outlook In Vanilla

The Prospects for Production and Prices As Seen By a Leading Importer and One of the Biggest Consumers

HAROLD O. SLOAN, president of Gomez & Sloan, New York, recently back from Marseilles, and David S. Bravo, vice-president of the same company, who has just returned from a survey of the vanilla situation in Mexico, gave the following joint statement when interviewed by a representative of DRUG & CHEMICAL MARKETS on the outlook in the vanilla market for 1925: "For three years past, prices for vanilla beans have been high. Costs at the points of origin indicate that 1925 will be the fourth, which appears to establish present prices as a new normal for this commodity.

"To explain these high levels one must go back to the time of the war. During war times vanilla beans sold at very low prices, due to large crops and the economy in all foodstuffs urged by Mr. Hoover. The enormous demand for staples for the armies hardly touched vanilla, which was regarded as a luxury. Manufacturers did not buy heavily, for at those times, as always previous to the period of advanced prices in the article, they kept large surpluses of beans on hand as well as of extract aging in the wood.

When deflation struck all commodities for which there had been an unusual demand during the period of hostilities, vanilla prices could drop no lower. Beans were already being produced at a loss to the growers and curers.

A review of the reasons for present prices show them to be well founded. At the time of large crops and low prices, growers neglected large tracts of vanilla land rather than further deplete their capital by cultivation at a loss, and many plantations soon became overgrown by wild vegetation, which takes but a short time in the tropics. At this time when the Mexican crop was unusually small, demand for extract suddenly increased in the United States, where by far the greater portion of the world's vanilla crop is consumed, and where Mexican vanilla has always been the popular flavor. This increase in demand found most growers unprepared. The financial panic in the United States had been strongly reflected in Mexico, planters and curers had their capital invested in products other than vanilla which showed a larger and quicker profit (cultivation

More vanilla beans are consumed in the United States than all the rest of world put together. Of all flavoring extracts, vanilla is unquestionably the most important and widely used. Vanilla vies with chocolate as being America's favorite flavor. Thousands of American manufacturers are literally forced to use it irrespective of price. As a consequence, what is happening to-day in Mexico, Madagascar, Tahiti, Reunion, has a very close relation to the pocketbooks of big vanilla bean users.—The Editors.

and curing take about a year and a half) and money for vanilla was obtainable from their financial backers only at prohibitive rates. In addition to the scarcity caused by increased demand and lack of capital, tropical weather conditions the world over became most severe. Curing became so difficult that only the high prices obtaining saved the curers from ruin, and importers suffered heavy losses from spoilage upon arrival of the goods here.

"Growers and curers in the French possessions were quick to sense the demand and advanced their prices accordingly. Consumers in the United States who could not buy enough Mexicans to meet their needs were driven to the use of Bourbons, of which the crops were also short, placing this variety of beans in the same position as the Mexicans. Those who could not buy Bourbons bought Tahitis

wherever their formulas would permit, and an even worse scarcity was created there, for manufacturers who had previously used the cheaper varieties had the increased demand for extract to meet as well. Tahitis finally went about to the level of Bourbons and stayed there.

"The outlook for 1925, according to reports received by us from our many primary sources, bids fair to be a continuation of the present state of affairs. The Mexicans look better as to quality. Good quality Bourbons, however, are scarce; in addition to a small crop, the percentage of poor grade goods is unusually large. This is confirmed by arrivals to date. Mexican whole beans as usual will not arrive for several months. Spot stocks are very low in all varieties. Germany and Scandinavia have again resumed buying in all markets and their consumption is now almost at the pre-war level."

The View of a Big Consumer

A recent statement on the vanilla bean situation issued last week by W. T. Raleigh, president of The W. T. Raleigh Co., Freeport, Ill., one of the biggest importers and consumers of beans in the United States, gives the views of this firm as to why beans are selling at the highest prices in twenty years. The statement says in part:

"Unquestionably there has been some shortage in the Madagascar and Mexico vanilla crops during recent

years, and perhaps considerable increase in consuming demands, but in our opinion neither of these factors satisfactorily explains the present abnormally high cost of vanilla.

"Madagascar and Mexico produce most of the world's supply of vanilla. Short crops are not an entirely new factor in the situation. It is nothing new to have a short crop of vanilla; the crops are sometimes short the same as other crops are short. But short crops have repeatedly occurred in both countries during the past 20 years, and yet old stocks provided enough vanilla to cover demands. And while, of course, these short crops caused temporarily somewhat higher prices, our records show that we bought all the vanilla we required during the past 20 years at prices generally ranging from \$2 to \$3 per pound, and seldom was it necessary to pay over \$4 for the best qualities of Madagascar, and a little more for Mexican vanilla. Even the great World War did not seriously interfere with the cultivation, curing, supply or cost of either Madagascar (Bourbon) or Mexican vanilla. Cultivation continued, there was an abundance of vanilla to supply all demands, and in 1919 the cost in round lots to manufacturers ranged from \$2.25 to \$2.75 per pound, duty paid, f. o. b. New York.

The Crop Estimates

"The Madagascar crop has been carefully estimated and the substance of our managers' reports are to the effect that the 1925 crop will be about normal. This means about 500 tons of cured vanilla for late Fall and 1926 consumption. In Mexico, the crop recently gathered is now being cured and prepared for market. Our representatives report this crop at 200,000 pounds or more of whole beans, plus probably 50,000 pounds of cuts. Most of the crop was bought at the highest prices that have been paid in Mexico for many years, and nearly the entire crop is now in the hands of only a few large curers and dealers.

"But the high cost of vanilla during recent years has greatly stimulated new planting and more extended cultivation of vanilla in all producing countries, and while from two to three years' time is required before the plants begin to bear much vanilla the increased production is expected to gradually overcome any past or present possible shortage of the crops. Therefore, in absence of close control of old and new stocks in the hands of comparatively few large dealers, we know of no good reason why prices should be still further advanced. On the contrary, prices should again decline within a reasonable time.

"If American manufacturers will stop making contracts for future deliveries and buy only such quantities of vanilla as they require for current needs from spot stocks, and adhere to the same policy, there will be a steady decline in the cost of vanilla everywhere, speculation will be reduced to the minimum, the consumption of this popular flavor will be increased, and everyone connected with the production, manufacture, sale and consumption of vanilla will be benefited.

"The coming crop in Madagascar has been carefully estimated at about 1,000,000 pounds. This year's crops in Mexico and Guadalupe are reported to be over 300,000 pounds. The Tahiti Islands also produce a large quantity. There is no evidence of scarcity of either current or future supplies.

"The season for curing, packing and shipping the past crop of vanilla is now just ended in Madagascar and Reunion Island. As nearly as we have been able to learn most of the old crop has been shipped.

DRUG AND FINE CHEMICAL SECTION

The best proof we have that substantial quantities still remain unsold in Madagascar and Reunion is a cable received February 12, from our manager at Tamatave, offering a lot of five tons of vanilla for sale at a price considerably below Marseilles and New York prices, but we did not order (1) because we considered the price too high, and (2) because within the two months' time that would be required for the vanilla to arrive, we expect that prices will decline below present market prices."

KELLY TAKES CHARGE OF RHODIA SALES

Charles Kelly, for the past four years connected with the Rhodia Chemical Co., New York, sales department, has been placed in charge of general sales for the chemical company and for Rhodia, Inc., importers of aromatic chemicals and perfume materials. Prior to his connection with Rhodia, Mr.



Kelly was for fifteen years Eastern representative for Parke, Davis & Co. and with Ralph L. Fuller & Co. New York, for four years. From 1917 to 1920, he was general sales manager for the Monsanto Chemical Work at St. Louis. Besides manufacturing metol, hydroquinone, saccharin, and other products at its New Brunswick, N. J. plant, Rhodia is the American representative for Societe Chimique des Usines du Rhone. Dr. Max

Mueller is president of the Rhodia Chemical Co. He is one of the pioneers in the United States in the manufacture of metol and other photographic chemicals.

REDUCE NEW YORK ALCOHOL PRICES

Inasmuch as alcohol is now produced in New York, price schedules applying to this city, have been revised to conform to other producing centers, according to announcement by the U. S. Industrial Alcohol Co., New York. The price has been cut 1½¢ per gallon which represents the freight from the former nearest producing point.

A. A. McGill & Co., Boston, manufacturers of toilet articles have instituted a suit against the Prohibition Unit, Secretary Mellon and others for damages on account of revocation of a permit to obtain specially denatured and non-beverage alcohol. Plaintiffs claims that the permit was revoked arbitrarily and illegally.

The monthly luncheon meeting of the Drug & Fine Chemical Section, New York Board of Trade & Transportation, held in the Board room March 4, was addressed by John G. Jones, vice-president and sales and advertising manager of Alexander Hamilton Institute on the subject of "The Business Outlook."

Metfah Chemical Co., Philadelphia, has filed plans for a building on Weikel st., near Venango st., and will proceed with work at once.

Marx & Rawolle have moved to 233 Broadway, New York. The new telephone number is Whitehall 1534.

Colgate & Co. have filed judgement for \$300.12 against Israel M. Goodelman in New York County.

DRASTIC STATE ALCOHOL LAW PROPOSED

A bill providing for the regulation of all liquors which contain or develop any amounts of alcohol passed the Pennsylvania Senate Feb. 28 and is being actively pushed in the House. The wording is such that it covers every possible product from perfumes to shellac; provides for a daily inventory of all stocks, not only of all alcohols but of all goods used in connection with alcohol; for an elaborate system of state licenses and for inspection any hour of the day or night of any plant using alcohol.

The bill was originally introduced February 10 by Representative Armstrong, H. B. 728 and in the Senate as S.B. 300. It was only the first of the week that it attracted the attention of the chemical and drug trades who on awakening to the seriousness of the situation have taken active steps to protest against any such drastic and unnecessary measure.

OFFER NEW CATCH CODLIVER OIL

Codliver oil from the new 1925 catch is now being offered for shipment from Bergen, Norway, by M. H. Kielland A. S. through W. Benkert & Co., New York, their American agents. The price is \$31.50 per bbl. c. i. f. New York, Boston, Philadelphia, or Baltimore for limited quantities for immediate shipment. This price is 50c per bbl. higher than that quoted for 1924 oil for shipment, and is made as of Feb. 14 at Bergen. Since this time, however, both shipment and spot positions have declined about two dollars, according to New York reports.

Recent advices to W. Benkert & Co. state that fishing to date has been very poor owing to rough and abnormally hot weather off the Norwegian coast. Actual stocks of new oil are very small in Bergen, and unless fishing conditions improve shortly, the market may resume an upward trend in price. Practically all stocks of industrial cod oil have been cleaned out in Norway and nothing is available at present.

SPAIN HOLDS LARGE MERCURY RESERVE

Spain holds between 16,000 and 20,000 flasks of quicksilver in reserve at the present time, according to advices in the metal trade in New York. Based on this reserve, Italian interests are reported to have sold quite heavily of the two and three months ahead position. In spite of the rise in quicksilver this week to \$79.50 spot and \$78.50 for shipment from Spain, Italy, or London, and the belief in a strong spot and near-by market, big operators are distinctly bearish on distant futures. Although spot New York stocks are reported very small,—some say a few hundred flasks,—the present rise is not thought to be of long duration.

H. K. Mulford Co. shipped one million units of diphtheria anti-toxin from their Seattle branch to Nome, Alaska, on Feb. 4. Each package was covered with three inches of cork and sealed to render it immune from freezing at fifty degrees below zero and to keep it dry in case of chance submersion.

A bill permitting the use of saccharin in the food of sick persons has been introduced into the Pennsylvania senate, but is opposed by the Department of Agriculture on the ground that a drug which is prohibited to well persons should not be given to sick persons except on prescription by a physician.

CRAMTON BILL KILLED IN SENATE

Efforts of Senator Sterling opposed by Senators Reed, Edwards and King Who Prevent Vote on Measure.
(Special to DRUG & CHEMICAL MARKETS)

Washington, March 4—After making repeated attempts to have the Cramton bill passed by the Upper House on Saturday and Monday, Senator Sterling late on Tuesday admitted that he could not hope for its passage at this session of Congress.

On Monday he offered to strike out all of the bill except the Civil Service provision if the Senate would adopt the bill, but Senators Reed, of Missouri Edwards, of New Jersey, and King, of Utah, prevented the bill coming to a vote.

CORRECT ALCOHOL PRICE BASIS

Alcohol, based on the price for No. 5 completely denatured, is now quoted in various large cities throughout the country on the following schedule:

	Tank Cars	Drums	Less Carloads in 5 drum lots or more
Boston	.48½	.50½	.52½
New York	.49¾	.50½	.54
Philadelphia	.48½	.50½	.52½
Baltimore	.48½	.50½	.52½
Pittsburgh	.50½	.53	.55
Cleveland	.50½	.52¾	.54¾
Detroit	.50½	.52¾	.54¾
Cincinnati	.48½	.50½	.52½
St. Louis	.49½	.51¾	.55¾
Chicago	.49¾	.52	.54
St. Paul	.50½	.53	.55
Kansas City	.51	.53¾	.55¾
Omaha	.51	.53¾	.55¾
New Orleans	.48½	.50½	.52½

Less than five drums, 2c gal. higher. Barrels, inclusive and not returnable, 7c per gal. higher than drums. Prices based on carlots, No. 5, 188 proof, f. o. b. Cincinnati, Philadelphia, Baltimore, Peoria, Boston, or New Orleans. Drums are billed at \$6 and returnable for full credit. The price for New York was 52c, but was subsequently changed to 50½c.

N. Y. Q. EXPANDS MENTHOL PRODUCTION

New York Quinine & Chemical Works Inc., has just had certified by the patent office a trade-mark covering synthetic menthol, produced by the N. Y. Q., under the name of Menthol-Y. The production of synthetic menthol at the Brooklyn plant of the N. Y. Q. which has been carried on for several months past, has been expanded to full capacity to take care of larger demand. The American rights to the process for the manufacture of menthol owned by Howards & Sons, Ltd., London, were taken over some months ago by the N. Y. Q. and this is the method being employed.

DESCRIBE NEW MENTHOL-Y

Menthol-Y, the new synthetic menthol, now being produced by New York Quinine Works, New York, is described in a statement as follows: "Menthol-Y from the chemical standpoint is iso-menthol and is optically inactive. It is completely soluble in all the usual menthol solvents and has an odor and taste identical with the Japanese product. The melting point is slightly lower than the natural product, but in the actual plant operations, this really facilitates handling, and in no way alters the menthol odor and taste. The product has been used successfully in tooth-pastes, mouth washes, ointments, cough syrups, linaments, and confectionery."

The Fine Chemical Market

Current Spot Quotations for Fine pages 666-691

BISMUTH SALTS ADVANCED SHARPLY

Metal Up 65c Here on 50% Rise in London—Spot Quicksilver Higher at \$79.50—Shipment \$78.50—Menthol Easier—Imported Bromides Lower on Selling—Strychnine Makers Lose "Dumping" Fight—Codliver Oil easier

PRICE CHANGES IN NEW YORK (Stocks in First Hands)

Advanced		Declined	
Bismuth, Metal, 65c lb.	Iodine Tincture, U.S.P.,		
Subnitrate, 25c lb.	Resale, 2c gal.		
	Mercury, \$1.00 flask		
Antipyrine, 5c lb.	Guaiacal Carbonate, 10c lb.		
Bromides, Imp., Potassium, 1c lb.	Menthol, 25c lb.		
Sodium, 1c lb.	Podophyllin, Resale, 5c lb.		
Codliver Oil, Norwegian,	Thymol, 25c lb.		
\$1.00 bbl.			

Trend of the Market

	Today	Last Week	Last Month	Last Year	War Peak	Pre-War
Acetanilid	\$33	\$35	\$36	\$32	\$2.00	0.20
Acid, Citric, Import .....	.46	.46	.46	.48	1.25	.45
Caffeine, Alkaloid	3.75	3.75	3.75	4.00	13.00	3.65
Calomel, American	1.37	1.37	1.22	1.10	3.43	.90
Camphor, Jap., ref. ....	.66	.66	.66	.78	3.55	.41
Iodine, Resublimed	4.65	4.65	4.65	4.40	5.00	3.75
Menthol	11.75	12.00	11.75	11.75	13.50	3.00
Potassium Bromide, Cryst. ....	.48	.48	.48	.30	4.30	.80
Quinine Sulfate, Imp. ....	.50	.50	.50	.50	.90	.25
Sodium Salicylate .....	.40	.40	.40	.40	4.25	.27
Strychnine Sulfate .....	.49½	.49½	.49½	.63	1.55	.50
Average	2.25	2.27	2.25	2.22	5.92	1.56

The withdrawal of the sellers of cheap quicksilver has strengthened the mercury market, and now some holders are asking \$80.00 per flask as the inside figure. The statistical position has not warranted the sharp reductions, which have been going on in the spot market for the last three weeks. Rumor says that one importer has been quoting low figures to cause the market to ease off, so that he could buy in, as he is reported to be on the short side. Sales have been made at the low figures, but the quantities have been small, and for fair quantities much higher prices were asked. With a slightly easier replacement value for a number of imported fine chemicals, coupled with a smaller spot demand, some of the widely used chemicals have shown a slightly easier tendency. To counteract any further declines, the trade believes that spot stocks of imported chemicals are none too heavy in view of the potential Spring demand. Several large importations were noted last week, but these will probably go directly into consumption, as they are consigned to consumers. Average prices for February are slightly lower than January.

Acetanilid—Firmly held by makers at 35c@37c lb. spot, and resale quarters at 35c@36c lb.

Acid, Acetylsalicylic—Demand routine only 75c@80c lb. spot as to maker, and 70c@72c lb. from second hands. Export demand steady.

Acid, Citric—Imported is steady at 46c@47c lb. spot with shipment named at 29½c lb. c. i. f. New York. Import buying has been neglected owing to competition with domestic at 46c@47c lb.

Acid, Diethylbarbituric—Imported moving in fair volume at \$4.10@4.25 lb. spot, and domestic at \$8.00@9.00 lb.

DRUG AND FINE CHEMICAL SECTION

Acid, Salicylic—In steady demand at 35c lb. spot by makers, and 33c@34c lb. for second hands.

Acid, Tartaric—Imported generally quoted at 27½c @ 28 c lb. spot, but for large quantities 27c lb. is possible. Imports last week at New York were 742 kegs. Most of this arrival has already been disposed of. Domestic, 29c lb.

Alcohol—Demand has been fair for the denatured grades, but contract holders are not using their full requirements, and, therefore, stocks have been accumulating on the market. Since this item is now manufactured in New York, the spot quotations have been reduced 1½c gal. in order to take up the differential in freight rates. Quoted at 53½c gal. spot in drums for No. 1 specially denatured, and 51½c gal. for No. 6 completely denatured material.

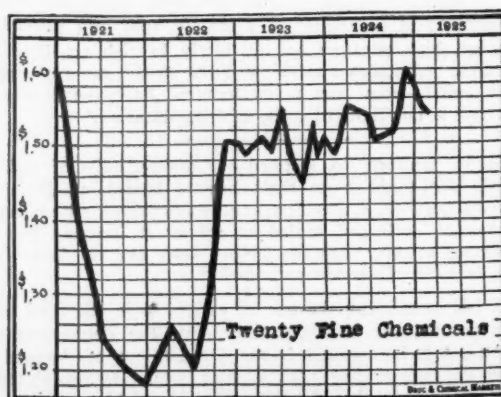
Alcohol, Butyl—Schedule price is 27½c lb. works in car lots for domestic, and 29½c lb. spot in drums for imported. Imports last week at New York were 33 drums.

Amidopyrine—Imported not being offered, except to regular customers. Domestic named at \$4.60@4.75 lb. spot, although rumors are heard that the American selling price has been raised to \$4.90 lb. for duty purposes. The domestic maker has denied any change in price.

Antipyrine—Lower owing to keener competition, and now quoted at \$1.75@1.85 lb. spot as to quantity. On firm offers, this price may be shaded.

Bay Rum—In steady demand at 90c gal. spot for either Porto Rican or St. Thomas material. Domestic 72c gal.

Bismuth Preparations—Manufacturers advanced prices sharply on Tuesday, following close to a fifty per cent rise in the metal. Cables from London named 7s 6d as compared to 5s previously. The advance abroad is reported due to the Rothschilds regaining control of the market, lost several months ago with subsequent sharp price cutting. American metal sellers advanced the 500 lb. price from \$1.35 lb. to \$2.00; 50 lb. lots are up to \$2.05 lb. Makers' schedules now quote the subnitrate at \$2.25 lb against \$2.00 lb in 25 lb lots. previously. Other salts higher in proportion.



..Bromides—Imported potassium has declined to 37c@39c lb. spot, and sodium at 39c@41c lb. owing to small demand and easier import costs. Ammonium is very scarce, and according to reports, one quarter says that nothing at all is available. Imports last week at New York of potash were 67 cases. Domestic named at 53c lb. spot for ammonium, and 38c lb. for either potassium or sodium.

Camphor—Japanese slabs unchanged at 65½c@66c lb. spot, while in a large way 65c lb. is possible. Domestic, 80c lb. in bulk.

Caramel—Firm at 85c@90c gal. spot.

Codliver Oil—Norwegian has eased off to \$31.00@ \$33.00 bbl. spot with shipment named at \$29.00@ \$29.50 bbl. c. i. f. New York. The catch is reported to be progressing more than at the first of the season. Imports last week at New York were 1,495 barrels, of which 200 barrels came from St. Johns.

Glycerin—C. P. is quiet at 19c@19½c lb. spot in drums, and dynamite at 18½c lb.

Guaiaicol Carbonate—Has declined and now quoted at \$2.75@ \$2.85 lb. spot with the possibility of doing much lower on firm offers. First hands quote \$3.00 @ \$3.50 lb.

Iodine Tincture—Resellers have advanced their price, and now quote \$4.30@ \$4.40 gal. spot as to quantity.

Menthol—Has declined to \$11.75@ \$12.25 lb. spot as to quantity owing to small demand and better supplies in spot market. The trade believes that the synthetic product is causing the Japanese to keep prices down to a minimum.

Mercury—Firm at \$79.00@ \$80.00 flask due to the withdrawal of the cheap sellers. London is quoting £12 5s per flask, but for futures sellers might be convinced to take less. Mercurials are firm at current levels.

Potassium Permanganate—Imported quoted at 14½c @ 15c lb. spot, and on a 5-ton lot 14c lb. ex-dock is possible. Domestic quoted at 15c@16c lb. f. o. b. New York. Reports are heard that the domestic material is not competing with the imported.

Podophyllin—Resale quarters have reduced their prices to \$4.30@ \$4.40 lb. spot.

Strychnine—Alkaloid quoted at 71c oz. for powdered, 81c oz. for crystal material. Official statement has been made from Washington, saying that the domestic makers have not been able to prove their cases in regard to the "dumping" of the imported material.

Thymol—Easier at \$4.25@ \$4.50 lb. spot owing to smaller demand.

DOW ISSUES SALICYLATE BOOKLET

Dow Chemical Co., Midland, Mich., has just issued a 27 page booklet on Dow Salicylate line including colored acetylsalicylic granulations. Pictures of the plant in colors are featured. Binding is in dark gray leatherette with flexible covers. This is another of the attractive descriptive catalogs of Dow products, previous ones covering the general line of Dow chemicals, and calcium chloride.

Powers-Weightman-Rosengarten Co., Philadelphia, have issued their semi-monthly price list in which fourteen advances and ten declines are given. Most of the advances were due to the higher levels for mercurials.

BISMUTH METAL IN STRONG HANDS

General Market for Crude Drugs and Fine Chemicals More Active—Peppermint Oil and Camphor Higher—Potassium Permanganate, Arsenic, Caustic Potash and Acetone Lower

(Special Cable to DRUG & CHEMICAL MARKETS)

London, March 4—Control of bismuth metal is now in strong hands and greater stability in bismuth salts is expected. This week the market for crude drugs and fine chemicals is much more active. Higher prices are announced on American peppermint oil, Japanese camphor, oils, lemon and orange.

Prices are easier for carbolic acid, Japanese mint oil, castor oil and benzoate of soda.

Lower quotations are made on potassium permanganate, arsenic, caustic potash and acetone.

Ethyl chloride in ampoules is properly assessable at 25% ad valorem under paragraph 23 of the tariff act of 1922 as chemicals imported in ampoules, according to a decision rendered by Judge Brown in overruling a petition by Geo. Borgfeldt & Co., Vidal Hnos. & Co., J. M. Lomba, Inc., R. Julia & Co., A. Del Pino & Co. and Sucs. de F. Ortega & Co. who contended for duty at 15% ad valorem under paragraph 38 of the same act.

The new owners of International Proprietaries, Inc., manufacturers of Tanlac, have just released a nationwide advertising campaign in more than 4,000 newspapers, in every section of the United States. While it is not known exactly how many agate lines of advertising will be used, the expense will be greater than any hitherto incurred for a proprietary preparation.

A decision has been rendered allowing drawbacks on import duties on amyl, butyl and ethyl acetate, alcohol and fusel oil to Witbeck Chemical Corp., Albany, N. Y. for material used in manufacture of products that are expected on sworn records of amount used. Drawbacks are not to exceed amount of duty paid less one per cent.

Mercury output in the United States increased about twenty per cent for the year 1924. In California, fewer mines were in operation, but produced in larger volume. The average price for the year was \$69.51 for 75 lb. flasks, New York, according to a report of the Department of the Interior.

Tutokain is a new synthetic anaesthetic developed in Germany during experimentation in the development of synthetic rubber. It can be sterilized by heat without decomposing and is being recommended in the place of cocaine.

H. K. Mulford Co. has been awarded a government contract for 25 tubes of tablets of codeine sulfate at \$7.50, 6 bottles ox-gall at \$1.08 and 50 jars mercury ointment at \$37.50.

Walter C. Heath, president of Whitehead & Hoag Co., has been elected a director and member of the executive and finance committee of the Celluloid Co.

The Customs Service of the Treasury Department has found there is no dumping of strychnine in the American market from Switzerland.

Dr. Max Mueller, president of Rhodia Chemical Co., New York, will sail for two-months visit to France on March 7.

The Crude Drug Market

Current Spot Quotations for Crude Drugs, pages 688-693

BUCHU LEAVES DECLINE 5c POUND SPOT

To Arrive in Week Quoted at 65c Lb., Against Spot Price of 75c Lb.—Celery Seed Lower—Anise Seed Active and Firm—Insect Powder Lower—Spanish Saffron Cut—Senega Root Easier—Althea Root, Cuts, Higher—Valerian Root Easier.

PRICE CHANGES IN NEW YORK (Stocks in First Hands)

Advanced

Anise Seed, Star, 1/2 lb. Chamomile Flowers, Hungarian, 1/2 lb.
Condurango Bark, 1c lb. Fringe Tree Bark, 1c lb.

Declined

Buchu Leaves, 5c lb. Marjoram Leaves, German, 2c lb.
Celery Seed, 1c lb. Saffron Flowers, Spanish, \$1.00 lb.
Coltsfoot Leaves, 1c lb. Senega Root, 2c lb.
Cumin Seed, Levant, 1/2 lb. Stavesacre Seed, 2c lb.
Insect Powder, 1c lb. Valerian Root, Belgian, 1c lb.
Kava Kava Root, 1c lb.

Trend of the Market

	Today	Last Week	Last Month	Last Year	War Peak	Pre-War
Aconite Root, USP.....	\$3.33	\$3.33	\$3.33	\$4.7	\$9.90	\$4.2
Buchu Leaves, Short .....	.80	.80	.76	.78	4.06	.85
Cantharides, Russian .....	.83	.85	.85	1.10	9.00	2.10
Cocculus Indicus .....	.10	.10	.08 1/2	.03 1/2	.85	.03
Ergot, Spanish .....	.53	.53	.60	.35	4.50	.54
Insect Powder, pure .....	.37	.38	.40	.65	1.00	.28
Ipecac, Cartagena, Powd....	2.50	2.50	2.50	2.10	4.50	1.35
Nux Vomica .....	.05	.05	.05	.05	.14 1/2	.07
Opium gum	12.00	12.00	12.00	9.00	30.00	5.00
Rhubarb Root, H. D. ....	.33	.33	.33	.31	1.75	.15
Tragacanth, No. 1, ribbon. 1.15	1.15	1.15	1.15	1.30	6.00	1.50
Wild Cherry Bk., thin nat. .09	.09	.09	.08 1/2	.16	.21	.07
Average	1.59	1.59	1.57	1.35	5.28	1.60

Although the February average of twenty representative crude drugs showed only a slightly lower price than the month previous, the volume of business transacted during the month was the smallest for several months. The declines in the widely used drugs were small, but indicated an easier tendency. With demand on spot below normal and with prices in most all primary markets easing off, a number of declines are probable according to several factors in the trade. Importers will re-enter the market when prices get back to normal. But, in spite of the small buying for import, prices are likely to show weakness on any sustained curtailed buying, according to the trade.

Aconite Leaves—Prices are still quoted at 33c@35c lb. spot, and leaves at 10c@12c lb.

Agar Agar—Market is firm owing to small spot stocks. Quoted at \$1.75 lb. for No. 1 Kobe, and No. 3 at \$1.55 lb. Little forward buying reported with the result that the spot market is kept tight most of the time.

Aloes—Curacao firmly held, though in good supply at 10c@10 1/2c lb. spot as to quantity. Cape steady at 8c@9c lb.

Althea Root—Cuts have advanced to 47c@53c lb. spot, and whole at 22c@24c lb.

Anise Seed—Market active and firm. Star higher at 13c@13 1/2c lb. spot, and Spanish at 14 1/2c@15c lb.

Arabic Gum—Amber sorts is fair demand from textile mills at 13c@13 1/2c lb. spot as to quantity.

Balsams—Copaiba, Para, firm and active at 50c@55c lb. spot as to seller and quantity, and South American

at 55c@60c lb. Canadian Fir easy at \$10.75@11.00 gal. spot as to quantity with tendency for accumulation of supplies on the Coast. Oregon Fir, 95c@1.00 gal. For other balsams see "The Essential Oil Market."

Bees Wax—White higher at 52c@54c lb. spot as to quantity.

Boneset Herb—In small demand at 7c@8c lb. spot as to quantity.

Buchu Leaves—Have eased off, and now quoted at 75c@77c lb. spot in bales, and 81c@83c lb. for less. Goods to arrive in about a week named at 65c lb. With the primary market easing off, importers are not buying at the moment.

Cardamon Seed—Scarce on spot at \$2.50@3.00 lb. for bold, and \$1.60@1.70 lb. for green grinding.

Cascara Amarga—Tending scarce at \$1.25@1.50 lb. spot as to quantity, and so-called at 50c@52c lb.

Cascara Sagrada—Spot goods quoted at 14c@15c lb., and prompt shipment at 12c lb. f.o.b. Coast.

Celery Seed—Slightly lower at 32c@34c lb. spot as to quantity, but firm in France.

Chamomile Flowers—Roman steady at 19c@21c lb. spot, and Hungarian higher at 8c@8 1/2c lb.

Cinchona Bark—Quills active and firm at 60c@62c lb. spot, and broken at 28c@30c lb.

Coltsfoot Leaves—Lower at 5c@6c lb. spot due to easier shipment prices.

Condurango Bark—Higher at 13 1/2c@14c lb. spot as to quantity due to firmer shipment prices.

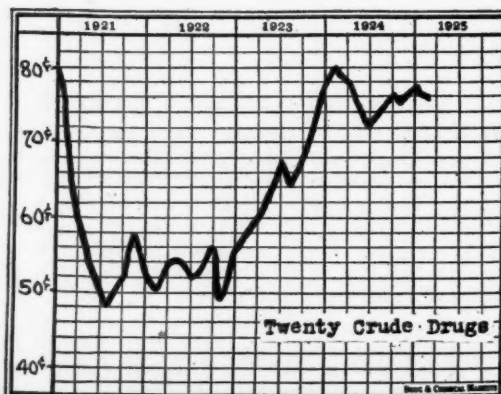
Cumin Seed—Levant lower at 16 1/2c@17c lb. spot.

Damiana Leaves—Supplies scarce at 60c@70c lb. spot. Nothing is being offered for shipment.

Dandelion Root—Generally quoted on spot at 21c@22c lb., although rumors were heard that one seller was naming 19c lb., but on checking up, it was found that this was the price for goods to arrive in the near future. Shipment has firmed up, and now 18c lb. c.i.f. New York is the inside price.

Ergot—Easy at 53c@55c lb. spot as to quantity with shipment named at 43c lb. c.i.f. New York, or 53c lb. duty paid. One seller believes that higher prices will be seen before new crop material becomes available.

Fish Berries—Scarce at 10c@12c lb. spot.



Insect Powder—Has declined and now quoted at 37c @40c lb. spot owing to easier shipment figures.

Ipecac Root—Cartagena firm at \$2.25@2.35 lb. spot for whole, and \$2.50@2.60 lb. for powdered material. Rio, \$2.20 lb. for whole, and \$2.50 lb. for powdered.

Lycopodium—Easy at 75c@80c lb. spot as to seller with shipment named at 68½c lb. c.i.f. New York. Imports at New York last week were 20 cases.

Marjoram Leaves—German lower at 30c@33c lb. spot as to quantity. French off the market. Little buying going on due to nearness of new crop material.

Orris Root—Florentine firm at 9c lb. spot for whole, and 12c lb. for powdered material.

Poppy Seed—Dutch steady 9½c@10c lb. spot. Reports are heard that stocks in Holland are less than 5,000 bags.

Saffron Flowers—Spanish has declined owing to improvement in spot stocks, and now quoted at \$38.00@ \$39.00 lb. American, 60c@64c lb.

Senega Root—Lower at 55c@57c lb. spot. Export demand small, and easier prices from the Coast reported.

Valerian Root—Belgian lower at 18c@20c lb. spot owing to keen competition for available business.

Groover-Stewart Drug Co., Jacksonville, Fla., has started work on a \$150,000, four-story, concrete building for their wholesale drug business. Officers of the company include D. W. Ramsaur, president; Samuel Dunlap, vice-president and sales-manager; F. L. Price, vice-president and manager of the Tampa branch; Scheff Wright, vice-president and manager of the Miami branch; A. E. Slack, secretary and treasurer; and H. S. Scrosson, assistant secretary and treasurer.

Ginseng is the most widely used remedy in China and in 1923 1,000 tons of it were imported through the port of Hongkong, valued at £763,736, of which America supplied about 70 per cent. Lloyd A. Nolan, Chemical Division, Department of Commerce, reports that sales of prepared medicines in Hongkong in 1922 amounted to \$500,000, with America supplying 40 per cent.

Colgate No. 2 bowling team defeated R. & H. C. Co.'s team and Lanman & Kemp's, and lost to Biddle Purchasing Co.'s on Feb. 16 in the Wholesale Drug Trade Bowling Association Tournament at Colgate's Alleys, Jersey City. R. & H. C. Co. also won one game from Lanman & Kemp and one from Biddle Purchasing Co., who in turn won a game from Lanman & Kemp.

The complaint of the Federal Trade Commission against McKesson & Robbins and Schieffelin & Co., charged with conspiracy to injure the business of Benjamin Mindlin, has been dismissed. The charge grew out of discontinuance of Mindlin's account by both houses.

U. S. Industrial Alcohol Co. has been awarded the contract by the Bureau of Supplies and Accounts for furnishing the Boston Navy Yard with 5,250 wine gallons of alcohol in steel drums at \$2,677.50, bids for which were received Feb. 17.

Baltimore Distilling Co., Baltimore, Md., has awarded a contract for a one-story plant building, 70 x 100 ft., at Russell and Wooster st. to cost \$60,000.

American Drug Manufacturers' Association is to hold its annual meeting on April 20 to 23 inclusive at the Hotel Biltmore, New York.

BUY QUININE FOR NEAR EAST RELIEF

Something over 100,000 ounces of quinine was recently purchased in the American market by the Near East Relief for eventual shipment to Greece and the Balkans. About 20,000 ounces went to Italy last week, and further partial shipment of 10,000 ounces has been made via London, according to reports.

The bulk of the order was received by Viotor & Hosken, Inc., New York, American agents for Hoshi's Japanese quinine. About 10 per cent of the order was taken by Powers-Weightman-Rosengarten Co. The business was placed through H. K. Mulford Co., Philadelphia, which firm will manufacture a goodly portion of the material into tablets before delivery. The American Red Cross is reported to have appropriated \$85,000 for the purchase of its final shipment of quinine destined for the refugee camps of Greece.

DRUG CLUB TO MOVE MAY 1, 1926

The Drug & Chemical Club, New York, will lease the 13th and 14th floors of a new building to be erected at John, Gold, and Platt sts., by the National Board of Fire Underwriters Building Corp. and will move from present quarters at 100 William st. on May 1, 1926. The two floors comprise 16,552 sq. ft. at a rental of \$37,500 the first year and \$40,000 per year for nine years, with a ten year lease renewal option. In the present quarters, floor space is 12,000 sq. ft. and the rent is \$15,000, but would be \$30,000 after May 1, 1926. Membership dues become \$100 on Aug. 1, 1925. Non-resident dues will be \$30 per year after Feb. 1, 1926.

MITCHELL REPRESENTS PENICK IN CANADA

H. W. Mitchell of Toronto is now representing S. B. Penick & Co., New York, crude drug millers, in Canada. Mr. Mitchell has been identified with the drug business in Canada for the past sixteen years, and joined the staff of Penick on March 1. In addition to the usual line of botanical drugs, he will handle solid and powdered extracts, oleoresins, and alkaloids of Penick manufacture.

W. E. Cosgrove, general sales manager of Arthur Stallman & Co., New York, importers of crude drugs, since the death of Mr. Stallman, severed his connection with the company on Feb. 21.

Hynson, Westcott & Dunning, manufacturing pharmacists of Baltimore, have donated \$20,000 to Johns Hopkins University for research work in urology and pharmacology.

Publicker Commercial Alcohol Co., Philadelphia, has a permit to build an addition to its plant on Rigler st. near Delaware ave., estimated to cost \$50,000.

Exports of aloes from Curacao, April 1 to June 30 were 90,776 kilos; divi divi, 171,000 kilos; orange peel, 2,595 kilos; and calcium phosphate, 25,856 tons.

Harry C. Pitman, founder of Pitman-Moore Co., Indianapolis, manufacturing chemists, died recently at his home in Texas. He was 53.

Proceedings of the twenty-fifth annual meeting of the American Conference of Pharmaceutical Faculties have been issued in book form.

James D. Rockafellow, San Antonio, Texas, Southern representative of R. Hillier's Son Co., crude drug millers, visited New York last week.

The Essential Oil Market

Current Spot Quotations of Essential Oils, pages 693-694; Aromatic Chemicals, 694

SANDALWOOD LOWER AT \$7.00 POUND SPOT

Owing to Improvement in Spot Stocks—Oil Cedar Wood Easier—Oil Peppermint Firm—Oil Lemon Higher For Shipment—Oil Wormseed Firm in Country—Oil Limes, Expressed, Firm—Bourbon Geranium Higher in Reunion.

PRICE CHANGES IN NEW YORK (Stocks in First Hands)

Advanced	
Oil Juniper Berries, 15c lb.	
Declined	
Oil Carvol, 50c lb.	Oil Citronella, Ceylon, 3c lb.
Oil Cedar Wood, 5c lb.	Java, 5c lb.
Oil Coriander, 25c lb.	Oil Sandalwood, E. Ind., 25c lb.

Trend of the Market

	Today	Last Week	Last Month	Last Year	War Peak	Pre-War
Oil Bergamot	\$3.65	\$3.65	\$3.45	\$3.00	\$7.00	\$5.00
Oil Citronella, Ceylon	.70	.73	.75	.80	1.02	.60
Oil Cloves	1.85	1.85	1.90	2.30	3.70	1.40
Oil Lemon, Italian	.68	.98	.95	.80	1.70	2.00
Oil Peppermint, Nat.	15.00	15.00	12.00	3.80	9.00	2.25
Oil Sandalwood, E. I.	7.00	7.26	7.35	6.75	14.00	5.25
Oil Sassafras, Artif.	.35	.35	.35	.37	1.00	.26
Benzaldehyde, U.S.P.	1.50	1.50	1.50	1.50	5.15	1.50
Coumarin	3.25	3.25	3.25	3.85	31.00	3.10
Methyl Salicylate, Cans.	.47	.47	.47	.47	1.00	.90
Vanillin	.49½	.49½	.49½	.54½	.95	.30
Average	3.08	3.11	2.95	2.17	6.83	2.05

The average price of essential oils for February was sharply higher than in January, due principally to the several advances in oil peppermint. A number of the most important oils, however, have shown an easier tendency. The last week in the month found stocks slightly more plentiful, and consumers were not willing to take on supplies beyond their immediate needs. For the past three months, toward the end of the month, buyers have bought in fair quantities, and have requested sellers to bill for the first of the following month. But this month, this condition has not developed. Demand for oil peppermint was light last week, but prices have held steady owing to smallness of stocks. Most all of the oils now being imported in New York are high priced, and the general trade is not looking for any substantial reductions until these supplies have passed into consumption. Any prolonged weakness in essential oils, nevertheless, will probably find weak holders, who are not anxious to see the market drop too low. Then again, they may argue that as long as primary markets are firm, spot prices cannot show any sustained softness.

Essential Oils

Oil Almond—Sweet in better supply at 80c@85c lb. spot as to quantity. Shipment also tending easier. U.S.P. named at \$3.15@3.25 lb. spot, and ffpA at \$3.25 @ \$3.50 lb.

Oil Angelica Root—In steady demand at \$28.00@ \$30.00 lb. spot as to quantity.

Oil Anise—Spot goods firmly held at 57½c@59c lb. for technical, and 60c@62c lb. for U.S.P. material. Supplies have been coming into New York in somewhat larger quantities, but import costs are comparatively high, and sellers are unwilling to shade prices.

Oil Bergamot—Coppers range on spot from \$3.50@ \$4.00 lb. as to seller and quality. Shipment is named at \$3.75 lb. c.i.f. New York for one brand. Little buy-

ing has taken place at these high figures. Terpeneless, \$12.00@12.50 lb.

Oil Bois de Rose—In steady demand at \$4.75@5.00 lb. spot as to quantity.

Oil Calamus—In small demand at \$3.75@4.00 lb. spot.

Oil Caraway—Price of \$2.40@2.50 lb. spot has not attracted much buying. Competition keen for available business.

Oil Carvol—Has declined and now quoted at \$8.75@ \$9.75 lb. spot owing to weakness in raw material. Consumption of this item appears to be on the decrease.

Oil Cassia—Redistilled steady at \$2.40@2.50 lb. spot, and technical at \$1.95@2.05 lb. with shipment named at \$1.80 lb. c.i.f. New York for 80-85 per cent material, and \$1.75 lb. for 75-80 per cent goods. Spot stocks are tending on the heavy side, but, at the same time, they are originally high cost material.

Oil Cedar Wood—Has eased off, and now quoted at 67c@70c lb. spot as to quantity owing to increase in spot stocks. Contract material is not being consumed in sufficient quantity to keep the market firm.

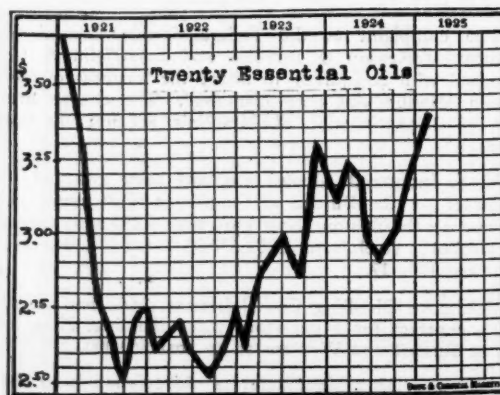
Oil Citronella—Ceylon has eased off, and now quoted at 70c@77c lb. spot in drums as to seller, and 73c@81c lb. in tins. Imports last week at New York were 41 drums. Only a part of these goods are reported sold, while the balance has depressed the spot market. Java also lower on spot at \$1.20@1.30 lb. in drums, and \$1.30@1.40 lb. in tins. April-May shipment named at \$1.10 lb. c.i.f. New York.

Oil Coriander—Lower at \$9.75@10.00 lb. spot as to quantity due to slow demand and keener competition for business.

Oil Geranium—Bourbon steady on spot at \$5.75@ \$6.25 lb. with tendency to higher prices in Reunion. Algerian named at \$6.25@6.75 lb.

Oil Juniper Berries—Higher at \$2.00@2.20 lb. spot as to quantity due to active demand and firmer shipment prices.

Oil Lemon—Italian generally quoted at 98c@1.20 lb. spot as to brand, although one direction is still naming 95c lb. for fair quantities. Prompt shipment



is named at 76c@83c lb. c.i.f. New York as to seller. American, 85c@90c lb.

Oil Limes—Expressed firm and active at \$4.00@\$4.50 lb. spot, and distilled at \$1.60@\$1.75 lb.

Oil Orange—Italian steady at \$2.70@\$3.15 lb. spot as to seller and quantity with shipment named at \$2.25 lb. c.i.f. New York. West Indian at \$2.65@\$2.70 lb., and American at \$2.75@\$2.80 lb.

Oil Peppermint—Spot goods quoted at \$15.00@\$15.50 lb. for natural, and \$15.50@\$16.00 lb. for redistilled material. The country has declined from \$14.50 lb. to \$14.00 lb.

Oil Sandalwood—East Indian has eased off to \$7.00 @\$7.25 lb. spot as to quantity. The leading seller on spot says that no weakness is apparent in the market, being based on replacement costs; but, with the arrival of fair supplies, a temporary easier market has developed.

Oil Wormseed—Country firm and equal to spot prices of \$3.25@\$3.35 lb.

Balsams

Peru—In steady demand at \$1.90@\$2.00 lb. spot as to quantity.

Tolu—Quiet at \$1.55@\$1.65 lb. spot.

Aromatic Chemicals

Cinnamic Acid—In active demand at \$3.25@\$3.50 lb. spot, and alcohol at \$9.00@\$9.50 lb.

Coumarin—Active at \$3.25@\$3.45 lb. spot by makers.

Terpineol—In keen competition at 40c@42c lb. spot in drums, and 45c@47c lb. in cans.

Vanillin—Makers are firm at 49½c@51c oz. spot, while resellers have supplies available at 47c@48c oz.

The Chicago Perfumery, Soap and Extract Association has called the attention of its members to bills pending in various state legislatures which it considers inimical to the interest of the trade: Missouri House Bill 134 prohibiting the sale of foods and beverages containing saccharin or other coal tar products or derivatives; Massachusetts Senate Bill 242 prohibiting the sale of Eau Sublime, Inecto Rapid Notox and Paragon Dye; New Hampshire House Bill 214 prohibiting the use of any cosmetics or preparation for the face, hair or scalp containing arsenic, lead, mercury, copper, silver or para-phenyl-diamine or compounds.

A notable increase in imports during January occurred in perfumery products and toilet preparations, which recorded an improvement of 118 per cent in value, and in essential oils, which rose 105 per cent in value. The imports of the last two groups were not actually unusually large. The high rate of gain may be explained by the smallness of the receipts during the preceding January.

Oil lemon market is still firm according to Joseph H. Bowne, New York, agent for Fratelli Jung, Palermo, who say: "The bullish movement in oil bergamot has yielded ground, and lower prices have been accepted for the few orders coming from abroad."

F. H. Ungerer, of Ungerer & Co., New York, accompanied by his wife and daughter, will sail on the "Olympic" March 7 for a two months' trip through Europe.

L. A. Van Dyk, essential oils, is now located at 20 E. 12th St., New York. Telephone No. 5269 Stuyvesant.

COLGATE & CO. SUED AGAIN ON CHARGE OF CONTINUING TO ENFORCE RESALE PRICES

Suit Brought By Federal Trade Board Under the Sherman Act—Seeks Injunction Against Company and Officers To Restrain Them from Maintaining Any System of Espionage Over Wholesalers and Retailers or Keeping Records on Their Business Acts

The Government has begun another suit against Colgate & Co. following the recent case in the United States District Court at Newark, in which Judge Runyon directed a verdict for the company, charged with engaging in a combination to fix, maintain and enforce resale prices in violation of the Sherman Act. The new suit is brought under the same act and is based upon the same evidence, and seeks to restrain the company from pursuing any resale price maintenance plan.

The complaint which is filed by the Federal Trade Board, seeks to restrain Colgate & Co., its officers and all persons acting in its behalf directly or indirectly, from:

"(a) Preparing and circulating, or publishing lists of indicated resale prices for the said products of Colgate & Co. among wholesalers, retailers or others for the purpose or with the effect of hindering, preventing, or eliminating price competition among such wholesalers or price competition among such retailers.

"(b) Refusing to sell the said products of Colgate & Co. to wholesalers and retailers who refuse or do not adopt and maintain any indicated resale prices for the purpose or with the effect of eliminating price competition among such wholesalers and among such retailers.

"(c) Maintaining any system of espionage by the employees of Colgate & Co. or others over the business acts and practices of wholesalers and retailers for the purpose of inducing and compelling such wholesalers and retailers to adopt and maintain any indicated resale prices in their resale of the said products of Colgate & Co., or for the purpose or with the effect of hindering, preventing, or eliminating price competition among such wholesalers and among such retailers.

"(d) Keeping records and data as to the business acts and practices of wholesalers and retailers as part of any policy to compel or induce such wholesalers and retailers to adopt and maintain any indicated resale price for the said products of Colgate & Co., or for the purpose or with the effect of hindering, preventing, or eliminating price competition among such wholesalers and among such retailers.

"(e) In any manner, or by any means inducing or compelling wholesalers and retailers to agree to adopt and maintain indicated resale prices in their resales of said products of Colgate & Co.

"(f) Aiding, abetting, or assisting, individually or collectively, others to do all or any of the acts and practices hereinabove alleged to be illegal and sought to be enjoined."

Thomas J. McHugh, president of V. Vivaudou, Inc., sailed for Europe on the Berengaria, Feb. 28, to negotiate a deal for taking over the entire output of the Italian talc mines. He said the deal would make the United States the center of the world's talcum powder industry.

Willard A. Walsh, American representative of Bing Fils, Paris, has purchased an interest in the essential oil business of Fox & Clark Co., New York. He will continue to operate as agent for Bings Fils separately.

Prices Current of Fine and Heavy Chemicals, Drugs, Essential Oils, Dyestuffs and Oils

CLASSIFICATION—Prices quoted herein are listed in the following groups: **Chemicals**, including heavy and technical chemicals, fine and medicinal chemicals, aromatic chemicals and isolates, crudes and intermediates from coal-tar, various fine alkaloids and miscellaneous products; **Crude Drugs**, **Essential Oils**, including oleoresins; **Fatty Oils**, including Animal, Vegetable and Fish Oils, Greases, Fats, and Tallow; **Tanning and Dye Extracts**, including miscellaneous natural tanning woods, extracts, etc. All groups are arranged in straight alphabetical order.

Packages—Prices are for large quantities in original packages of the customary trading units of weight or measure. A container given in connection with a price does not necessarily mean that this is the quantity on which the price is based. Containers named are the original packages most commonly sold in this market.

QUOTATIONS—Chemical prices quoted herein are those of American manufacturers unless otherwise specified. Quotations on imported chemicals are so designated. Where resale or "second hand" stocks of any chemical products are sufficient to be considered a factor in determining the market, prices for goods in this class will be quoted in addition to makers' prices available, and indicated as such. Chemical prices quoted herein are for goods spot New York or Metropolitan District,

f. o. b. or ex-store, for immediate shipment, unless otherwise specified. Numerous domestic made heavy or industrial chemical products are sold principally on a basis of f. o. b. works, and are thus quoted in the list herein, each instance of a "works" price, however, being specified as such.

Fatty Oils prices quoted herein are for goods spot New York unless otherwise noted; f. o. b. mills and Coast prices being designated as such. **Crude Drugs** and **Essential Oils** are quoted f. o. b. New York (Manhattan with limitations) for immediate shipment. **Tanning and Dye Extracts** are quoted spot New York unless otherwise noted.

WEIGHTS AND MEASURES—All quotations are made on a basis of avoirdupois pounds and ounces, and American gallons. The following equivalents are given for the reference of exporters, importers, and foreign buyers:

1 Imperial Gallon (British)	—1.20	American Gallons
1 American Gallon	— .833	Imperial Gallon
1 American Gallon	—3.79	Liters
1 Liter	— .264	American Gallon
1 American Gallon (Water)	—8.35	Pounds
1 Pound (Avoirdupois)	— .454	Kilogram
1 Kilogram	—2.20	Pounds

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Chemicals

ACETANILID , tech. 150 lb bbls.28	: .38
100 lb kgs.27	: .30
USP, 200 lb bbls.35	: .37
Second Hands . . . . .			.35	: .36
Acetic Anhydride . . . . .			...	...
88-89%, 107 lb cty. . . . .			.38	: .40
90-95%, 100 lb cty. . . . .			.41	: .45
CP, 100 lb cty. . . . .			.75	: .80
Acetone , CP 700 lb drs. c/l wks. . . . .			...	.10%
700 lb drs. l/l wks. . . . .			.11	: .11%
350 lb drs. l/l wks. . . . .			...	.12
Tank cars, wks. . . . .			...	.10
Acetic , 50 gal. drums. . . . .			...	.37%
Acetone Oils , light, drs. wks.			1.40	: 1.45
Heavy , CP, wks.			1.40	: 1.45
Acetophenetidin , 150 lb bbls.			1.80	: 1.90
Acetyl Chloride , 100 lb cty. . . . .			.33	: .35
ACID , 1, 2, 4, 250 lb bbls. . . . .			...	1.30
Acetic , 25%, 400 lb bbls., c/l wks. . . . .			...	3.12
25%, l/l wks. . . . .			...	3.37
56%, c/l wks. . . . .			...	5.85
56%, l/l wks. . . . .			...	6.10
70% bbls., c/l wks. . . . .			...	7.20
70% l/l wks. . . . .			...	7.45
80% coml. bbls., c/l wks. . . . .			...	8.19
80% coml. l/l wks. . . . .			...	8.44
80% pure bbls., c/l wks. . . . .			...	9.08
80% pure l/l wks. . . . .			...	10.23
Glacial , bbls. c/l wks. . . . .			...	11.01
Glacial , l/l wks. . . . .			...	11.26
Glacial , USP cty. wks. . . . .			...	11.76
Acetylmallic , 250 lb bbls. . . . .			.75	: .80
Second Hands . . . . .			.70	: .72
Anthranilic , tech., drs. . . . .			...	.94
98-100%, 100 lb drs. . . . .			...	1.00
Benzamide , tech. 100 lb bbls. . . . .			...	.85
Tech. ton lots bbls. . . . .			...	.60
USP, 100 lb bbls. . . . .			.70	: .72
Second Hands . . . . .			.70	: .75
Baric , crys. powd. 250 lb bbls. . . . .			...	.09%
Kgs. 100 lb . . . . .			.10	: .10%
Bromine's 250 lb bbls. . . . .			...	1.25
ACID . . . . .			...	...
50 gal. bbl. incl. . . . .			.59%	: .61%
90% . . . . .			.70	: .75
C.P. 10 lb bot.			1.25	: 1.50
Camphoric USP, VIII 1 lb bot.			5.50	: 5.70
Carbolic , USP crys. see also Phenol . . . . .			...	...
112 lb tin . . . . .			.26	: .27
25 lb tin . . . . .			.28	: .29
5 lb tin or bot. . . . .			.30	: .32
1 lb bot. . . . .			.35	: .36
Liquid USP, 1 lb bot. . . . .			.34	: .35
Crude, 35% 50 gal. bbls. . . . .			.33	: .35
10% 50 gal. bbls. . . . .			.27	: .30
Carbonic , see Carbon Dioxide . . . . .			...	...
Chloracetic, . . . . .			...	...
mono 100 lb bbls. wks. . . . .			...	.25
DI, 150 lb cty. wks. . . . .			...	1.00
Tri, 425 lb bbls. wks. . . . .			...	2.50
Chlorosulfonic , 1500 lb drs. . . . .			...	...
wks. . . . .			.15	: .16
Chromic , USP, 200 lb drums. . . . .			...	.87
85% Pure, 200 lb drums. . . . .			...	.85
Chromotropic , 300 lb bbls. . . . .			...	1.35
Chrysanthic , see Chrysarobin . . . . .			...	...
Cinnamic , 5 lb cans			3.25	: 3.50
CITRIC , USP crys. 250 lb bbls. . . . .			...	.46
Powd., USP, 200 lb bbls. . . . .			...	.47
Imperial , crys. 112 lb kgs. . . . .			.46	: .46%
Single kgs . . . . .			...	.47
Cleves , 250 lb bbls. . . . .			.95	: .97
Cresylic , 95% dark dr. NY. gal . . . . .			.55	: .60
97-98% pale, dr. NY. gal . . . . .			.60	: .65
Crude, spot, drums . . . . .			...	...
Diethylbarbituric , Dom., 25 lb lots			8.00	: 9.00
1 lb bot.			4.10	: 4.25
Imp. , 10 lb lots . . . . .			...	1.0%
Formic , 85% tech. 140 lb cty. . . . .			.10	: .11
90%, 80 lb cty. incl. . . . .			.10%	: .11
Gallie , USP, 150 lb bbls. . . . .			...	1.50
Gamma , 255 lb bbls., wks.			1.40	: .85
Glycerophosphoric , 25% 1 lb b.			1.85	: 1.95
H 225 lb bbls., wks. . . . .			.68	: .74
Hydrolic , 10% USP 5 lb bot. . . . .			.65	: .70
ACID (Cont.) . . . . .			...	...
Hydrobromic , 48% coml. 155 lb ctya. wks. . . . .			.45	: .48
48% coml. 10 ctya. wks. . . . .			...	.45
40% USP 155 lb ctya. wks. . . . .			...	.55
10% USP 100 lb ctya. wks. . . . .			...	.13
Hydrochloric , see also Acid Muriatic . . . . .			...	...
CP, USP, 110 lb ctya. . . . .			.07	: .08
Hydrocyanic , wks., cyl. . . . .			...	1.25
HYDROFLUORIC , 30% 400 lb bbls. . . . .			...	...
wks. . . . .			...	.07
30% bbls. c/l wks. . . . .			...	.06
30% 100 lb ctya. wks. . . . .			...	.07
48% single 100 lb ctya. wks. . . . .			...	.11
48% 10 ctya. wks. . . . .			...	.10
52% 100 lb cty. wks. . . . .			...	.14
52% 10 ctya. wks. . . . .			...	.11
60% 100 lb cty. wks. . . . .			...	.14
60% 300 lb dr. wks. . . . .			...	.13
White Acid, 100 lb cty. wks. . . . .			...	.26
White Acid, 10 ctya. wks. . . . .			...	.25
Hydrofluosilicic , 35% 450 lb bbls. . . . .			...	...
wks. . . . .			.10	: .12
Hypophosphorous , USP 30% 5 gal. demis. . . . .			...	.35
USP, 10% 5 gal. demis. . . . .			...	.36
LACTIC , 22% dark 500 lb bbls. . . . .			.05%	: .06
22% light, bbls. . . . .			.06%	: .07
44% dark, bbls. . . . .			.11	: .12
44% light, bbls. . . . .			.13	: .13%
66% dark, bbls. . . . .			.18	: .18%
66% light, bbls. . . . .			.26	: .27
USP, IX 100 lb ctya. . . . .			...	.70
USP, VIII 100 lb ctya. . . . .			...	.59
Laurent's , 250 lb bbls. . . . .			...	.90
Metanilic , 250 lb bbls. . . . .			.60	: .65
Mixed , sulfuric-nitric . . . . .			...	...
Drums, wks. . . . .			.07%	: .08
Drums, wks. . . . .			.01	: .01%
Tank cars, wks. . . . .			.06	: .06%
Tank cars, wks. . . . .			.008	: .01
Molybdic , 85% pure 100 lb kgs.			1.35	: 1.60
2.00			2.10	: 2.10
Monomelic , F. Delta, 50 lb tins			1.80	: 2.00

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Chemicals

ACID

MURIATIC, 20° chys., lc/l		
wks.100 lb	1.60	: 1.75
Chys. c/l wks.100 lb		: 1.35
Tank cars, wks. ....100 lb		: 1.00
18°, 120 lb chys.		
c/l wks. ....100 lb		: 1.25
Tank cars, wks. ....net ton		: ...
22°, 120 lb chys.		
c/l wks. ....100 lb		: 1.85
Muriatic, CP & USP, see Acid Hydrochloric		
Nashtic acid, tech. 250 lb bbls. lb	.55	: .59
Refined, single bbls. ....lb		: .62
Neville & Winter's, 250 lb bbls. ....lb	1.00	: 1.05
NITRIC, 36°, 135 lb		
Chys. lc/l wks. ....100 lb	4.75	: 5.00
Chys. c/l wks. ....100 lb	4.50	: 4.75
36° lc/l chys. wks. ....100 lb	5.25	: 5.75
Chys., c/l wks. ....100 lb	5.00	: 5.25
40° lc/l chys. wks. ....100 lb	5.75	: 6.00
Chys., c/l wks. ....100 lb	5.50	: 5.75
42° lc/l chys., wks. ....100 lb	6.25	: 6.75
Chys., c/l wks. ....100 lb	6.00	: 6.25
C. P. chys. single wks. ....100 lb	.12	: .13
Oxalic, 300 lb bbls., wks. ....lb	.10½	: .11
Bbls., NY .....lb	.10½	: .11
Kegs, 100 lb NY .....lb	.10½	: .11½
Imp, 500 lb casks .....lb	.10½	: .10½
Phenylacetic acid, domestic lb	9.20	: 9.60
Imported, 5 lb .....lb	6.00	: 6.25
Phosphoric 50% tech. 150 lb chys. ....lb	.07	: .07½
USP, Syrupy 85°, 70 lb dems. ....lb	.15	: .17
Formic .....lb		: ...
Second Hands .....lb	.15	: .16
Phthalic. see Phthalic Anhydride		
Picramic, 300 lb bbls. ....lb		: .50

ACID

Picric, 450 lb bbls. ....lb	.26	: .27
Bbls. car lots. wks. ....lb		: .25
Pyrogallic, crys. 5 lb cans. ....lb	1.25	: 1.30
Resublimed, 5 lb cans. ....lb	1.50	: 1.60
Tech. powd., 200 lb bbls. ....lb		: .85
Salicylic, tech., 125 lb bbls. ....lb	.33	: .34
USP, 100 lb bbls. ....lb		: .35
Second Hands .....lb	.33	: .34
Sulfanilic, 250 lb bbls. ....lb	.16	: .20
SULFURIC, 66° 180 lb chys.		
lc/l wks. ....100 lb	1.50	: 1.55
Chys., c/l wks. ....100 lb		: 1.25
1500 lb Drums, lc/l wks. ....100 lb		: 1.25
Drums, c/l wks. ....100 lb		: 1.00
Tank cars, wks. ....net ton		: 14.00
1500 lb Drums, lc/l wks. ....100 lb		: 1.00
Drums, c/l wks. ....100 lb		: .80
Tank cars, wks. ....net ton	9.50	: 10.00
C. P. 175 lb chys. ....lb	.07	: .08
Oleum 20 p.e. 1500 lb drums		
lc/l wks. ....100 lb		: 1.40
Drums, c/l wks. ....100 lb		: 1.15
Tank cars, wks. ....net ton	17.00	: 18.00
Oleum, 40% drs lc/l wks. net ton		: 40.00
Oleum, 60% drs., lc/l wks. net ton	60.00	: 70.00
Sulfurous, USP 6% 100 lb chys. ....lb	.05	: .06
4% 100 lb chys. ....lb	.04	: .05
USP, 5 gal dems. ....lb	.06	: .08
Tannic, tech. 300 lb bbls. ....lb	.30	: .40
USP, powd 200 lb bbls. ....lb	.75	: .80
USP, fluffy, 50 lb bbls. ....lb	.75	: .80
Tartaric, USP crys 300 lb bbls. ....lb		: .29
USP, powd. 300 lb bbls. ....lb		: .29
Imp. USP, 240 lb bbls. ....lb	.27½	: .28
Powd., 240 lb bbls. ....lb	.27½	: .28
Tobias, 250 lb bbls. ....lb		: .85

ACID

Tungstic, 100 lb kegs. ....lb		: 1.00
Valeric, C.P., 10 lb bot. ....lb	2.50	: 2.75
Acacetic Alk. crys. 1 oz. vis. ....oz		: 30.00
Amorphous, 1 oz. vis. ....oz		: 20.00
Adeps Lanase, hydrous 350 lb bbls. ....lb	.15	: .21
Anhydrous, 350 lb bbls. ....lb	.18	: .23
Albumen, Egg, edible .....lb	1.25	: 1.28
100 lb drs. ....lb	.05	: 1.20
Blood .....lb	.47	: .50
Vegetable .....lb	.80	: .85
ALCOHOL, USP, 190 pf. 50 gal. bbls. ....gal	4.90	: 5.00
Second Hands, bbls, USP 190 pf. ....gal		: ...
Export, USP, 190 pf. ....gal	.60	: .85
Cologne Spirit, 50 gal bbls. ....gal	5.00	: 5.10
WOOD, see Methanol		
Alcohols also in 50 gal. drums extra and returnable.		
Butyl, 50 gal. drums, wks. ....lb	.23	: .29½
Tank cars, wks. ....lb		: .27½
Isobutyl, crude, 50 gal drs. ....gal		: ...
Refined, 10 lb can .....lb		: ...
Isopropyl, Refined, 90-91%, 50 gal drs. ....gal	6.75	: 6.90
Red'd, 98-99%, drs. ....gal	8.50	: 8.75
Denaturing Grade .....gal	2.00	: 2.25
Propyl nml. crd. 50 gal drs. ....gal		: 4.40
Refined, 10 lb cans .....lb		: .75
Denatured		
No. 1. Complete Denat. 190 Proof 50 gal. bbl. incl. ....gal	.61½	: .63½
Car lots .....gal		: .59½
50 gal. drums, extra .....gal	.54½	: .56½
Car lotsgal		: .52½
No. 2. Special Denat. 190 Proof 50 gal. bbl. incl.gal	.60½	: .62½
Car lotsgal		: .58½

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Chemicals

ALCOHOL, DENAT. (Cont.)

50 gal. drums, extra.....gal	.53½	.55½
Car lots.....gal	..	.51½
No. 5, Complete Denat. 188 Proof		
50 gal. bbl. incl.....gal	.59½	.61½
Car lots.....gal	..	.57½
50 gal. bbl. incl.....gal	.59½	.67½
Car lots.....gal	..	.50½
No. 6, Complete Denat. 188 Proof		
50 gal. bbl. incl.....gal	.58½	.60½
Car lots.....gal	..	.56½
50 gal. drums, extra.....gal	.51½	.53½
Car lots.....gal	..	.49½

In addition to the regular authorized formulae for completely denatured alcohol, some 75 formulae for specially denatured alcohol are authorized for special uses. Owing to the limitations of their use, however, prices are quoted by the alcohol producers only to holders of permits allowing the use of specially denatured formulae in products authorized by the Dept. of Internal Revenue.

Alcol, USP, 100 lb. cases.....lb	.85	.88
Alpha-Naphthol crude 300 lb. bbls. lb	..	.85
Refined.....lb	.85	.90
Alpha-Naphthylamine, 350 lb. bbls. lb	.35	.37
Ten lots, bbls. wks.....lb	..	.35
ALUM, Ammonia, lump 400 lb. bbls. wks., 1c/l.....lb	3.15	3.50
Imp., 500 lb. cases.....100 lb	..	..
Ground, 400 lb. bbls. wks. 100 lb	3.30	3.75
Powd., 380 lb. bbls. wks. 100 lb	3.55	3.90
Chrome, 500 lb. cks. wks. 100 lb	5.50	6.09
Petash, lump 400 lb. bbls. wks. ....100 lb	3.25	3.50
Bbls., c/l wks. ....100 lb	3.25	3.30
Ground, 400 lb. bbls. wks. 100 lb	3.40	3.75

ALUMS, Petash (Cont.)

Imp. 350 lb. cases.....100 lb	2.75	3.00
Powd., 380 lb. bbls. wks. 100 lb	3.65	4.00
Chrome, 500 lb. cks. wks. 100 lb	5.50	6.00
Soda grd. 400 lb. bbls. wks. 100 lb	..	3.75
Sols. c/l wks. ....100 lb	..	3.80
Aluminum, metal, c/l NY.....100 lb	27.00	28.00
Chloride, anhyd. 275 lb. drs. lb	.20	.22
Crystals, 375 lb. bbls.....lb	..	.06½
30% sol. 120 lb. clys.....lb	.03½	.04
Hydrate 96% light 90 lb. bbls. lb	.17	.18
Heavy 62-64%, 220 lb. bbls. lb	.06	.06½
400 lb. bbls. wks.....lb	.06½	.07
Stearate, 100 lb. bbls.....lb	.21½	.22
SULFATE, Iron-free bags c/l wks. ....100 lb	2.00	2.10
Bbls., c/l wks. ....100 lb	2.15	2.25
Imported, spot.....100 lb	1.75	2.00
Comm'l. ¼ iron bgs c/l wks. ....East 100 lb	..	1.40
Cont. bgs. c/l wks. E. 100 lb	1.35	1.40
Bags, c/l wks. W.....100 lb	..	1.40
Bbls., c/l wks. East.....100 lb	..	1.55
Bulk, c/l cont. wks. E. 100 lb	..	1.50

Amidol (see Diaminophenol)

Amidopyrine, Imp., 10 lb. boxes.....lb	..	..
Domestic, 10 lb. boxes.....lb	4.60	4.75
Ammonobenzenes, 110 lb. kgs.....lb	..	1.15
Ammon. Sulf., bulk wks.....100 lb	2.95	3.15
Double, bgs., f.a.s. NY.....100 lb	..	2.80
Single, bgs., wks.....100 lb	..	2.90
AMMONIA, anhyd. 100 lb. cyl.....lb	..	.30
Water, 26° 800 lb. drs. wks.....lb	..	.08½
Drs. c/l wks.....lb	..	.06½
C.F., clys.....lb	..	.12
Imp., 800 lb. drs. incl. spot.....lb	.06½	.06½
26° 100 lb. clys. 1c/l wks.....lb	.08½	.08½
Clys., c/l wks.....lb	..	.08½
20° 800 lb. drs. c/l wks.....lb	..	.04½
Clys. 1c/l wks.....lb	..	.07½
18° 800 lb. drs. c/l wks.....lb	..	.04½
Clys. 1c/l wks.....lb	..	.4%

AMMONIA (Cont.)

16° 800 lb. drs. c/l wks.....lb	..	.03%
Clys., 1c/l wks. ....lb	..	.04
Ammonium Acetate, 100 lb. kgs. lb	..	.43
Benzonate, USP, 1 lb. bot.....lb	..	1.37
Bisulfate, 300 lb. bbls.....lb	.23	.23
100 lb. kgs.....lb	.23	.24
Bromide, 450 lb. bbls., 50 lb. box. lb	.53	.54
Imported, 112 lb. boxes.....lb	..	..
Carb., tech. 560 lb. cases.....lb	..	.08½
Powd., tech. 385 lb. bbls. lb	..	.07½
USP, lump, 100 lb. kgs.....lb	..	.14
Powd., 100 lb. kgs.....lb	..	.15
Chloride, Domestic		
White, 250 lb. bbls., c/l.....lb	..	.07
250 lb. bbls., 1c/l wks.....lb	.07½	.07½
Imp. wh. 250 lb. cases spot.....lb	.05½	.06
Gray, 250 lb. bbls., wks.....lb	.07½	.08½
Bbls., c/l wks.....lb	..	.07½
Imp. gray 250 lb. cases.....lb	.06½	.07
Lump, 500 lb. cases spot.....lb	.12	.13½
Iodide, as to brand.....lb	4.85	5.00
Iodide, USP, 25 lb. jars.....lb	..	6.20
Lactate, 500 lb. bbls.....lb	.15	.16
Nitrate, tech. crys. 235 lb. bbls. lb	..	..
Refined Crystals, bbls.....lb	.21	.23
CP gran. 100 lb. kgs.....lb	.35	.37
Oxalate, pure, 100 lb. kgs.....lb	.35	.37
Persulfate, 112 lb. cases.....lb	.35	.40
Phosphate, dibasic 200 lb. bbls. lb	..	.38
Tech., powd. 325 lb. bbls.....lb	..	.18
Phosphate, mono, 325 lb. bbls. lb	.12	.12½
Salicylate, USP, 100 lb. kgs.....lb	.75	.80
Sulfate, bulk, c/l wks.....100 lb	2.75	2.80
200 lb. single bgs. c/l wks. 100 lb	..	2.90
200 lb. double bgs., f.a.s. 100 lb	..	3.07½
Sulfocyanide, tech., 100 lb. kgs. lb	.60	.68
CP, 25 lb. jars.....lb	.80	.79
Amyl Acetate, tech. 50 gal. drs. gal	3.25	3.50
Refined, 50 gal. drums.....gal	3.90	4.20
Alcohol, see Fuel Oil		

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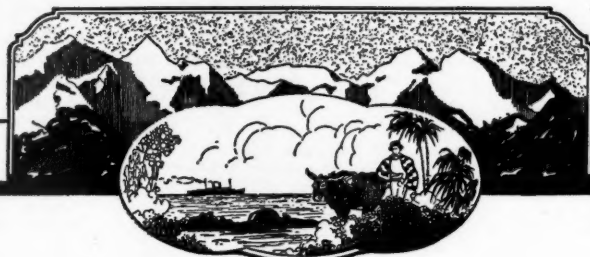
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ANILINE OIL, 900 lb dra.....D	.16	: .17	BARIUM SINOXIDE, see Barium dioxide			Benzol, see Benzene		
Aniline Salt, 200 lb bbls.....D	.20	: .22	Carbonate, precip, 300 lb bbls.			Benzonaphthol, 5 lb. boxes.....D	3.50	: 3.60
Annatto, fine.....D	.23	: .30	wsa.....ton	56.00	: 58.00	Benzyl Chloride, 500 lb dra.....D	...	: 1.00
Aspiracene, 80-85%, 600 lb casks			Precip, 200 lb bgs., wks.....ton	54.00	: 56.00	Benzyl Acetate, 100 lb chys.....D	1.55	: 1.75
wsa.....D	.65	: .70	Imports, bbls., NY.....ton	52.00	: 54.00	Alcohol, 5 lb bot.....D	1.45	: 1.55
Anthraquinone, subl. 125 lb bbls..D	1.00	: 1.15	Chloride, 800 lb bbls., wks.....ton	70.00	: 72.50	Benzoate, 5 lb bot.....D	1.60	: 1.75
Antimony metal, slabs, two lots 100 lb	.17 1/4	: .18	200 lb bgs., wks.....ton	70.00	: 72.50	Medicinal FFC.....D	1.75	: 2.00
Needle Powd., 100 lb cases.....D	.12	: .14	Imports, bbls., spot lb.....ton	66.00	: 68.00	Chloride, 95% tech. 925 lb dra.D	...	: .25
ANTIMONY CHLORIDE, anhyd 1000 lb			Dioxide, 88% 690 lb dra.....D	.16	: .17	100 lb chys.....D	.25	: .30
dra.....D	...	: .35	Import, 86-88% 400 lb dra.D	...	: .18	Redistil. 160 lb chys.....D	.40	: .45
50 lb casks.....D	.45	: .48	Hydrate, 500 lb bbls.....D	...	: .05 1/4	Formate, 1 lb bot.....D	3.25	: 3.50
Sol'n, 130 lb cartons 33°.....D	...	: .06	Iodide, 5 lb box.....D	...	: 5.15	Berberine Hydrochloride, 1 lb bot.....D	...	: 22.50
Oxide, 500 lb bbls.....D	.17	: .18	Nitrate, 700 lb casks.....D	...	: .07 1/4	Sulfate, acid or neut. 1 lb bot.D	...	: 22.00
Salt, dom. 500 lb bbls.....D	...	: .25	Import casks.....D	...	: .30	BETA-NAPHTHOL, 350 lb bbls.wks.D	.24	: .25
Imp., NY.....D	...	: 22 3/4	Sulfocyanide, 600 lb bbls.....D	.30	: .31	Carlots, wks.....D	...	: .23
Sulfuret, golden 500 lb bbls..D	.19	: .22	Barwood, chips.....D	.04 1/4	: .05	Sublimed.....D	.55	: .60
330 lb kgs.....D	.23	: .24	Barytes, floated 550 lb bbls.wks.ton	23.00	: 24.00	Beta-Naphthylamine, tech. 200 lb		
Crimson, 500 lb bbls.....D	.42	: .46	Imported.....ton	29.00	: 33.00	bbls.....D	.63	: .67
336 lb kgs.....D	.48	: .50	Bay Rum, Porto Rico, genuine			Sublimed, 200 lb bbls.....D	...	: 1.35
Vermilion, 500 lb bbls.....D	.50	: .65	Medicated salicyl. acid or tartar			Bichloride Mercury, see Mercury Bichloride		
336 lb kgs.....D	.53	: .68	45 gal. bbls.....gal	.90	: 1.00	BISMUTH metal, 100 lb cases...D	...	: 2.12
Tartroacetate, 500 lb bbls.....D	...	: .45	Medicated quinine sulf. 45 gal.			Second Hands.....D	...	: ...
Antipyrine, USP, 100 lb cases...D	1.75	: 1.85	bbls.....gal	.90	: 1.00	Ammon. Citrate, USP, 5 lb cansD	...	: 5.35
Apomorphine Hydrochloride, 1/4 oz. vials	...	: 22.75	Domestic synthetic, 50 gal.			Betanaphthol, 5 lb bbs.....D	...	: 2.70
Archil, double 600 lb bbls.....D	.13	: .14	Bbls.....gal	.72	: .75	Citrate, USP, 5 lb cans.....D	...	: 2.30
Triple, 600 lb bbls.....D	.16	: .17	St. Thomas			Nitrate, 25 lb jars.....D	...	: 1.60
Conc., 600 lb bbls.....D	.18	: .20	Medicated salicyl. acid or tartar			Oxychloride, 25 lb bbs.....D	...	: 2.95
Arecoline Hydrobromide, 1 oz. vials..D	0.25	: 7.82	emetic, 50 gal. bbls..gal	.90	: .95	Phenolsulfonate, 5 lb cans...D	...	: 2.50
Argols, red powd., 350 lb bbls..D	...	: .06 3/4	Benzaldehyde, tech. 945 lb dra.			Salicylate, 25 lb bbs.....D	...	: 1.70
Arsenic, metal, 220 lb kgs.....D	...	: .45	wsa.....D	.70	: .75	Sulcarbonate, USP, 25 lb bbs..D	...	: 2.85
Med, 224 lb kgs cases.....D	.13 1/4	: .14	USP, 40 lb chys.....D	1.40	: 1.50	X-Ray diag. 1 lb bot.....D	...	: 3.25
White, 220 lb cases to 550 lb			FFC, 40 lb chys.....D	1.50	: 1.65	Subgillate, USP, 25 lb bbs...D	...	: 2.20
bbls., NY.....D	.05 1/4	: .06	BENZENE, 90% 8000 gal. tanks			Sublimate, 5 lb lots.....D	...	: 4.10
Asbestos, c/l.....ton	16.00	: 18.00	wsa.....gal	...	: .27	Subnitrate, USP, 25 lb jars...D	...	: 2.25
la/l.....ton	30.00	: 32.00	110 gal. dra., wks.....gal	...	: .24	Second Hands.....D	...	: 2.15
Aspirin, see Acid acetylsalicylic			110 gal. dra., wks.....gal	...	: .29	Cones, 1 lb bot.....D	...	: 3.25
Atropine, Alk. USP, 1 oz vial...D	5.00	: 5.87	Benzidine Base, dry 250 lb bbls.D	.75	: .76	Subsalicylate, USP, 25 bbs...D	...	: 2.50
Sulfate, 5 oz. cans.....D	...	: 2.75	Benzidine Sulfate, paste 350 lb					
Single ounce.....oz	...	: 2.92	bbls.....D	.70	: .73			

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Tannate, 1 lb bot. lb	...	1.95
above on basis 25 lb lots.		
Smaller lots at an advance.		
Black Fixe, dry 400 lb bbls. wks. ton	60.00	90.00
Imported, bbls. ton	70.00	72.00
Paste, 650 lb bbls. ton	50.00	55.00
BLEACHING POWDER, 700 lb dra.		
c/l wks. 100 lb	...	2.00
Drums, 1c/l ex-warehouse. 100 lb	2.35	2.60
Contract, c/l wks. 100 lb	1.90	2.15
Drums, 1c/l wks. 100 lb	2.15	2.40
Imported, spot 100 lb	...	...
Blood, dried, f.o.b. NY unit	3.65	3.80
Chicago unit	3.60	3.75
Blue Ointment, see Mercury		
Mass, see Mercury		
Blue Vitriol, see Copper Sulfate		
Bone, 3 & 50 gr. steam, Chgo. unit	22.00	23.00
Raw, NY ton	32.52	34.00
Bone Ash, 100 lb kegs. lb	.06	.07
Black, 200 lb bbls. lb	...	.06
Borax, USP, crys 400 lb bbls. lb	.05%	.06%
Powdered, USP, 300 lb bbls. lb	.05%	.05%
Keps, USP, 100-150 lb lb	.05%	.06
Bordeaux Mixture, 16% pd. bbls. lb	.11%	.18
Paste, bbls. lb	.08	.10
Borneol, 1 lb bot. lb	...	3.50
Brimstone, see Sulfur		
Butyl Acetate, tank cars, wks. gal	...	2.25
Drums, c/l wks. gal	...	2.27
(Freight allowed)		
British Gum, com. c/l. 100 lb	4.93	4.97
le/l 100 lb	...	5.02
Potatoe, le/l lb	...	.09
Bromide, see potash bromide, etc.		
Bromide, bot. in 50 lb cs. wks. lb	...	.47
Bromobenzene, 600 lb drums. lb	.40	.42
Bromoform, USP 5 lb bot 50 lb cs. lb	...	1.65
Breine Sulfate, 100 cs. cs	.15	.25
Butter of Antimony, see Antimony Chloride		
CADMIUM, metal 100 lb bxs. lb	.70	.75
Bromide, 50 lb cases jars. lb	...	1.20

Iodide, 10 lb bot. lb	...	4.45
Sulfide, cs. lb	1.80	1.80
CAFFEINE ALK, USP 5 lb cases. lb	3.75	3.85
Second Hands lb	3.50	3.60
Hydrochloride, 1 lb bot. lb	6.05	6.35
Sulfate, 1 lb bot. lb	5.40	5.90
Citrate, 25 lb cases. lb	2.70	2.80
Hydrobromide, 1 lb bot. lb	4.65	4.90
CALCIUM, Acetate, 150 lb bgs, c/l		
100 lb lb	...	3.00
Arsenate, 100 lb bbls. c/l wks. lb	.08	.08
Bromide, 100 lb cs. lb	...	.60
Carbide, 220 lb dr. c/l wks. lb	...	.04%
Carbonate, tech., 100 lb bags		
c/l 100 lb	1.00	1.10
USP, precip. 175 lb bbls. lb	...	.06%
Chloride, solid, 650 lb dra. c/l		
f.o.b. wks. ton	21.00	23.00
Imp. shipment ton	18.18	18.50
Flake, 375 lb dra. c/l dra. f.o.b.		
wks. ton	...	27.00
Anhyd. 350 lb dra. f.o.b. NY. lb	.13	.20
Glycerophosphate, 250 lb bbls. lb	...	1.40
Hydrate, see Lime		
Hypophosphite, USP, 25 lb cases. lb	.60	.65
Iodide, 5 lb bot. lb	...	4.40
Lactate, tech., 500 lb bbls. lb	...	.13%
USP. lb	.50	.60
Nitrate, 220 lb bbls. c/l NY. ton	...	50.00
Phosphate, tech., 450 lb bbls. lb	.09	.10
Phosphate, precip. tribasic, 200 lb		
bbls., wks. lb	.11	.14
Phosphate, mono, 325 lb bbls. lb	.07	.08
Sulfocarbonate, 100 lb kegs. lb	.65	.67
Camelot, see Mercury		
CAMPOR, Amer. ref. 250 lb		
bbls. lb	...	.80
2 1/2 lb slabs, 100 lb cs. lb	...	.81%
1 lb cakes, 100 lb cs. lb	...	.81%
1 oz. tab., 1 lb ctms. lb	...	.85%
1/2 oz. tab., 1 lb ctms. lb	...	.86
100 lb cs. lb	...	

CAMPOR (Cont.)

Jap. ref., 2 1/2 lb slabs, 100 lb		
cs. lb	.66	.67
1 oz. tab., 100 cs. 1 lb		
ctms. lb	...	.80
1/2 oz. tab., 100 lb cs., 1 lb		
ctms. lb	...	.81
Chinese ref. 2 1/2 lb slabs 100 lb		
cs. lb	...	
Crude, 100 lb cs. lb	.54	.56
Camphor, Unimint, bbls. gal	2.30	2.40
Camphor, Monobrom., 100 lb cs. lb	1.85	1.90
Camwood, chips lb	.09	.10
Caramel, 50 gal. bbls. gal	.85	.90
Carbazol, 250 lb bbls. lb	...	.50
Carbon Bisulfide, 500 lb dra. lcl/NY lb	.05%	.06%
c/l drums, NY lb	...	.05%
Carbon Black, c/l wks. bags. lb	.06	.06%
100-300 lb. cases 1c/l NY. lb	.09	.10
Carbon Dioxide, Liquid, 20-25 cy. lb	...	.06
Carbon Tetrachloride, 1400 lb dra.		
NY lb	.07	.07%
Drums, c/l NY lb	...	.08%
700 lb dra. single NY. lb	.07%	.08
Carmin, No. 40, 5 lb boxes. lb	4.50	4.75
Casein, edib., 100 lb keg. lb	...	.45
Tech. Imp., 200 lb bbls. lb	.13	.13%
Tech. Dom. lb	.13%	.16%
Castoreum, 1 lb boxes. lb	4.00	4.50
Castor Oil, USP, 50 gal. bbls. lb	...	.17%
Cases, 80 lb 2 tins lb	...	.18%
Tech., see Fixed Oils		
Caustic Potash, see potash, caustic		
Soda, see soda, caustic		
Cellulose Acetate, 100 lb cases. lb	1.75	2.00
Cerium Oxalate USP 100 lb kegs. lb	.35	.38
Chalk, drop 175 lb bbls. lb	...	.03%
Precip. light 250 lb csks. lb	.04%	.04%
Precip. heavy 500 lb csks. lb	.03%	.04
Bulk ton	5.00	5.00
Precip. English, 7 lb bags. lb87%
Charcoal, Bone, see bone black		

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PHENOL U. S. P.

CRUDE CRESYLIC ACID 97-99% STRAW COLOR

CRUDE CRESYLIC ACID 95% DARK

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CRESOL U. S. P.

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New York City

Chemicals

CHARCOAL (Cont.)			Cinchonidin Sulfate, 100 gm. tins.40	Colchicine alk USP, 1 gm. vial.20.07
Wood, powd., 100 lb bbls. ....	.04	.05	Rosale, 1000 gm. lbs. ....	.89	Salicylate, 1 gm. vial.	15.07
Willow, powd., 100 lb bbls. ....	.05%	.06	Cinchonine alk., powd. 1000 gm. tins. ....	.38	Colloidal, USP, 50 lb drums. ....	.23
Charcoal, clarified, 25% tin. wks. ....	.01%	.02	Crystal .....	.43	COPPER metal electrolytic c/l	
Bbls., wks. ....	.02%	.02%	Sulfate, 100 gm. tins. ....	.35	NY	14.50 : 14.62%
Powd., 60% 100 lb bags, wks. ....	.05%	.05%	Citric Acid, see Acid Citric		Lake, c/l NY	14.75 : 14.87%
Decolorized, bags, wks. ....	.06%	.07	Citric Acid, see Mercury		Castling, c/l NY	14.00
China Clay, Dom.	5.00	9.00	Coal Tar, See Tars		Carbonate, 400 lb bbls. ....	.16% : .17%
Washed & Ground, wks.	11.00	15.00	Cobalt metal, 100 lb kegs.	2.50 : 3.00	Cyanide, 100 lb drs. ....	.49 : .50
Imp., Filler Clay	16.00	25.00	Cobalt Oxide, 500 lb bbls.	2.10	Acetate, 100 lb drs.	5.65
Coating	20.00	25.00	10 lb tins, 200 lb cases.	2.20	Oxide, red 100 lb bbls ton lots ..	.16% : .17
Chloral Hydrate, USP 100 lb drs. ....	.60	.65	COCAINE alk., USP, 1 gm. vial.		Sub-Acetate, verd. 440 lb bbls. ....	.23 : .27
25 lb jars .....	.68	.70	Hydrochloride, USP—1 gm. vials,	10.00	Sulfate, crys. 450 lb bbls. 1c/l	
Chloroform, 140 lb drs. ....	.40		25 gm.	7.57	spot	4.90 : 5.00
Chloramine-T, 5 lb bot.	1.32	2.07	In 1/2 oz. vials	8.00	Carlots, 1 bbls., f.o.b. NY 100 lb	4.65 : 4.85
Chloroform, 5 lb bot. ....	.55	.65	In crystals, granular, powder,		Carlots, bbls. delivered 100 lb	4.90 : 5.00
Chlorhydrin, Ethylene anhyd. 600 lb			or flaky crystals as desired.		Imp. 550 lb cks spot. ....	...
drums .....	.75	.85	Cocoa Butter, bulk, 200 lb bales. ....	.29	Powdered, 550 lb 5 bbls. ....	...
40% soln. 100 lb cys. ....	.25	.30	c/l .....	.27%	Copperas, bulk, c/l wks.	10.00 : 13.00
CHLORINE, Liquid 2000 lb cyl.			Fingers, cakes, etc. 12 lb tins. ....	.34	200 lb bbls., c/l wks.	16.00
c/l wks. ....	.04%		lots	9.87	400 lb bbls., c/l wks.	17.00
Tank car lots, wks. Contract. ....	.04		Hydrobromide, 1 gm. vial. 10 gm.		Powdered, bbls.	1.90 : 2.00
100 lb cyl. c/l .....	.05%	.05%	lots	7.92	Sugar, 400 lb bbls.	1.25 : 1.35
100 lb cyl. 1c/l wks. ....	.07	.08	Hydrochloride, 1 gm. vial. 10 gm.		Corn Syrup, 42 deg. 50 gal.	
100 lb cyl. 1c/l ex-warehouse. ....	.08	.09	lots	7.42	bbls.	4.20
Chlorobenzene, mono. 100 lb drs.			Nitrate, 1 gm. vial. 10 gm. lots.	8.87	43 deg. 50 gal. bbls.	4.31
wks. ....	.10	.11	Phosphate, 1 gm. vial. 10 gm.		44 deg. 50 gal. bbls.	4.38
Drs. c/l wks. ....	.08	.08%	lots	7.42	45 deg. 50 gal. bbls.	4.45
Tank car lots wks. ....	.08		Salicylate, 1 gm. vial. 10 gm.		Corn Sugar, see Glucose	
CHLOROFORM, USP 50 lb drs.			lots	7.42	Cotton Soluble, 100 lb bbls. wet. ....	.40 : .42
Second Hands, 650 lb drs. ....	.30	.32	Sulfate, 1 gm. vial. 10 gm. lots.	7.92	Coumarin, 25 lb tins.	3.25 : 3.45
Technical, 650 lb drums. ....	.30	.31	Small Size, 1/2 gm. vials, 50c extra,		Second Hands	3.25 : 3.30
Chlorophyll, Oil Sol.	2.50	2.75	1/4 gm. 30c extra, single 7c extra		CREAM TARTAR, USP, 300 lb	
Water Sol.	3.75	4.00	per oz.—25 gm. lots, 10c cheaper		bbls. ....	.21% : .21%
Chromium Acetate, 20° min. 400 lb			than above. Less than 10 gm. 15c gm.		Imp. powd. USP, 224 bbls. ....	.21 : .21%
bbls. ....	.05%		higher than above.		Cresote, USP, 42 lb cys. ....	.40 : .42
Fluoride, Powd., 400 lb bbls. ....	.24	.26	CODLIVER OIL, Norwegian, 30 gal.		Carbonate, 100 lbs., 50 lb.	1.80 : 1.90
Chrysarobin, Powd., 400 lb bbls.	5.25	5.35	bbls.	31.00 : 33.00	Cresote Oil, 50 gal. drs. ....	.26 : .30
Cinchonidin alk., powd. 100 gm. tins.60				Cresol, USP, 400 lb drums.20 : .23
Crystal08				Creosol, English20 : .22

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Chemicals

Cutch, Bangoon, 100 lb bales...D18	Res Yolk, spray, 150 lb ca.....D43	FERRIC CHLORIDE, tech. crys.		
Borneo, solid, 100 lb bales....D	...	.04%	Emetine alk., 15 gr. vial.....ca	...	1.30	475 lb bbls. ....D	.08	.10
Liquid, 450 lb bbls. ....D	...	.09	Hydchlide, USP, 1 oz. vial.....ca	...	19.07	Imported .....	...	.07
Tablets, 120 lb boxes ....D	...	.13	15 gr. vials .....	...	.82	USP, crys. 100 lb kegs .....	...	.10
Cyanamide, bulk c/l wks. Amm. unit	1.90	2.00	EPSON SALT, tech. 300 lb bbls.			Imported .....	...	.07%
March & April, deliv. ....unit	...	1.85	NY	100 lb	2.15	Neut. Sol'n 42° 140 lb chys..D	.06%	.07
Cyanamide, NY, basis	1.65	1.75	Bbls. c/l NY	100 lb	2.00	48°, 140 chys. ....D	.08	.08%
Cymene, See Para-Cymene			100 lb bgs. c/l NY.....100 lb	1.50	1.75	USP Sol'n 125 lb chys.....D	.06%	.07
Dertrin, corn 140 lb bags c/l 100 lb	...	4.62	Imp., 220 lb bgs. c/l					
Bags, lc/l .....	...	4.72	NY	100 lb	1.25	Ferrous Chloride, crys. tech.		
Yellow, bags, c/l .....	...	4.67	USP, 300 lb bbls. 10 bbls. 100 lb	...	2.50	475 lb bbls. ....D	.06	.06%
Bags, lc/l .....	...	4.77	Carlots, bbls. ....100 lb	2.00	2.20	Ferrous Sulfide, 1000 lb bbls. 100 lb	2.50	3.00
Potato, 220 lb bags, lc/l .....	...	.08%	Imported, 400 lb bbls. ....100 lb	1.65	2.00	Fish Scrap, dried wks.....unit	4.50	& 10
Yellow, 220 lb bags .....	...	.09	100 lb kegs	2.00	2.28	Acid, Bulk. 7 & 3 1/2, Deliv.		
Taplocs 200 lb bags, lc/l .....	...	.08%	Ergotin, Bonjean, 1 lb jars.....D	6.00	6.35	Norfolk & Balt. basis unit	4.50	& 50
DIAMINOPRENOL, 100 lb kegs..D	...	3.80	Eserine alk., 1 oz. vial.....oz	...	30.07	Flake-White, see lead white		
Dianidline, 100 lb kegs.....D	3.50	3.60	Salicylate, USP, 1 oz. vial.....oz	...	22.07	Flavine .....	.95	1.00
Dichlorobenzene, 1000 lb drs.....D	.08	.07	Sulfate, USP VIII, 1 oz. vial.oz	...	17.07	Fluorapar, 95% 220 lb bags, ex-		
Diethylamine, 400 lb drs.....D	...	2.50	ETHER, USP, 55 lb drums.....D	...	.16	dock .....	...	25.00
Diethylamine, 550 lb drs.....D	.62	.64	Anaesthesia, 55 lb drums .....	...	.19	98% bgs. ....ton	...	33.50
Diethyl Phthalate, 25 lb cans.....D	.40	.48	USP, 1880 55 lb drums .....	...	.45	98% bgs. ....ton	...	35.00
1000 drs.....D	.55	.49	Washed, 55 lb drums .....	...	.37	FORMALDEHYDE, USP 400 lb bbls.		
Diethyl Sulfate tech. 50 gal. drs.D	.20	.25	Motor, 1 lb cans .....	.25	.31	c/l wks. ....D	.09	.09%
CP drums .....	.40	.50	Ether, Nitrous, 1 lb bot.....D	.92	.95	Carboys, 100 lb lc/l wks.....D	...	.10%
Digallin, Pure, 1 oz. vial.....oz	9.75	10.25	Ethyl Acetate, 90% 50 gal. drs. gal	1.15	1.18	Bbls., 400 lb lc/l wks.....D	.10	.10%
Dimethylamine, 840 lb drs. wks.D	.33	.35	85% Ester, 100 gal. drs. gal	...	.95	Second Hands .....	.09%	.09%
Dimethylamine, 400 lb drs.....D	...	2.80	Carlots, drums .....	...	.92	Fossil Flour .....	.02%	.04
Dimethylsulfate, 100 lb drs.....D	...	.50	Tanks Cars .....	...	.90	Formanline .....	.40	.45
Dinitrobenzene, 400 lb bbls.....D	.15	.18	Refined, drums	1.77	1.90	Fuller's Earth, 200 lb bgs. c/l		
Dinitrochlorobenzene, 400 lb bbls.D	.15	.16	Bromide, 115 lb drs.....D	...	.40	mines	15.00	17.00
Dinitrochlorine, 300 lb bbls.....D	.18	.19	Chloride, 200 lb drs., 15 lb cpl.D	.26	.35	Imported, 230 lb bags, NY.....ton	35.00	40.00
Dinitrophenol, 350 lb bbls.....D	.32	.34	Methyl Ketone, 50 gal. drs.....D	.25	.25%	Furfural, 300 lb bbls. ....D	.22	.25
Dinitrophenol, 350 lb bbls.....D	.32	.35	Morphine, see Morphine, Ethyl			Fusel Oil, 10% Impurities, drs.D	2.75	4.00
Dinitrotoluene, 300 lb bbls.....D	.19	.20	Ethyl Benzyl Aniline, 300 lb drs.D	1.10	1.15	Fustic, solid 50 lb boxes.....D	.19	.20
Dioxin, see Morphine, Ethyl			Ethylene Bromide, 600 lb drs.....D	...	.70	Crystals, 100 lb boxes .....	.20	.21
Diphenylamine, 250 lb bbls.....D	.48	.50	Glycol .....	.45	1.00	Liquid, 51°, 600 lb bbls.....D	.10	.14
Diphenylguanidine, 1000 lbs.			Chlorhydrin, anhyd. 50 gal. drs.D	.75	.85	Fustic, sticks	30.00	32.00
100 lbs. ....D	1.05	1.10	40% Solution, 50 gal. bbls.D	.25	.30	Chiph .....	.04	.05
Divi Divi Extract .....	...	.04%	Dichloride, 50 gal. drs.....D	.20	.25	G. SALT, paste 350 lb bbls. basis		
Divi Divi, pods, bags.....ton	...	55.00	Ethylidenaniline .....	.45	.50	10% .....	.53	.54
Dove's Powder, USP 5 lb tin.....D	2.20	2.30	Fucalypsol, 25 lb cans .....	...	.90	Gall extract .....	.15	.16
Dubois Sulfate, 1 oz. vial.....oz	...	30.07	Feldspar, bulk	20.00	25.00			
EARTH, Diatomaceous, see Kiesiguh								

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Chemicals

Gambier, 25% liq. 450 lb bbls..D	.14	: .15	HEMATINE, Paste, 500 lb bbls..D	.09 3/4	: .13	Iodine Tinct. USP, 50 gal. bbls.gal	4.50	: 4.55
Common, 200 lb cases.....D	.19 1/4	: .20	Crystals, 400 lb bbls.....D	.14	: .15	Carboys	gal	4.55 : 4.60
Singapore cubes, 150 lb bags..D	..	: .22	Hemlock, 25% 600 lb bbls.wks.D	.03 3/4	: .08 3/4	Second Hands	gal	4.30 : 4.40
Gelatin, USP silver bl. 100 lb cs.D	.60	: .65	Hemlock, bark.....D	..	: 20.00	Iodoform, powd., 10 lb bot.....D	..	: 5.50
Gold Label, 100 lb cases.....D	..	: ..	Hexamethylenetetramine, USP	..	: ..	Crystals, 10 lb bot.....D	..	: 6.50
Technical, 100 lb cs.....D	.45	: .50	100 lb drums.....D	.68	: .70	Iridium, metal 10 oz. lots.....D	..	: 260.00
GLAUBER'S SALT, tech. 200 lb bags,			Imported.....D	.64	: .66	Iron, metal by hydrogen 1 lb bot.D	.80	: 1.00
c/l wks.....100 lb	1.10	: 1.20	Rubber Makers, Impalp. Pd.	..	: ..	IRON & AMM. CITRATE, USP 60 lb	..	: .65
lc/l wks.....100 lb	1.35	: 1.45	dra.....D	.83 1/4	: .85	canu	..	: .70
350 lb bbls., c/l wks.....100 lb	1.25	: 1.35	Homatropine Hydrobrom. USP 1 oz.	..	: 14.57	Green scales, 500 lbs.....D	..	: .70
Bbls. lc/l wks.....100 lb	1.50	: 1.60	vial	..	: 18.50	Cadocylate, 100 lb bot.....D	6.50	: 6.75
Imported, bbls., NY.....D	.80	: .85	Five ozs., 1 oz. vials.....oz	..	: 16.57	Citrate, USP VIII 25 lb cans.D	.90	: 1.01
USP, 300 lb bbls. Imp. sp.100 lb	..	: 1.25	Hydrastine Alk., USP, 1 oz. vial.oz	..	: 16.57	Chloride, see ferric or ferrous	..	: 1.60
USP, 300 lb bbls. dem. sp.100 lb	..	: 1.75	Hydchilde, USP, 1 oz. vial.....oz	..	: 18.07	Myophosphite, 5 lb cans.....D	1.50	: 1.60
USP, 300 lb bbls. c/l wks.100 lb	..	: 1.40	Sulfate, 1 oz. vial.....oz	..	: 1.00	Swamp, USP VIII.....D	..	: .36
Calcined, see Sodium Sulfate			Hydrastine Hydchilde, USP 15 gr.	..	: ..	Iodine, 1 lb bot.....D	..	: .36
Glucose, (Grape Sugar) dry, 100			vial	..	: ..	Swamp, USP, 5 lb bot.....D	.35	: .36
70° bags, c/l NY.....100 lb	4.29	: 4.54	Hydrobenzoin, 100 lb bags.....D	..	: ..	Nitrate, bags.....100 lb	.09	: .10
Swamp, Dra. & bbls, c/l NY 100 lb	4.36	: 4.45	HYDROGEN PEROXIDE, 25 vol. 400 lb	..	: .10	Com'l. bbls.....100 lb	2.75	: 3.25
lc/l NY.....100 lb	4.36	: 4.55	bbls.....D	.35	: .37	Oxalate scales, 25 lb cans.....D	.55	: .58
GLUE, pure white, bbls.....D	.22	: .26	100 vol. 140 lb chys.....D	.04 1/4	: .05	Oxide, red, Spanish.....D	.02 1/2	: .03 1/2
Medium white, bbls.....D	.20	: .24	USP Soln. 375 lb bbls.....D	..	: 4.25	English.....D	.10	: .12
French, bbls.....D	.18	: .35	100 vol. 145 lb chys.....D	..	: 8.25	& Ammon. Oxalate 25 lb bxs.D	.42	: .45
High Grade, bbls.....D	.35	: .40	USP bot. 4 oz. cases.....gross	11.75	: 12.00	& Potassium Oxalate, 25 lb bxs.D	.45	: .47
Bone, regular, bbls.....D	.10	: .12	Bot. 8 oz. cases.....gross	19.75	: 20.00	& Sodium Oxalate, 25 lb bxs..D	.41	: .43
Fish, bbls.....gal	1.50	: 1.75	Bot. 16 oz. cases.....gross	1.40	: 1.50	Phosphate, USP, 50 lb.....D	..	: .69
GLYCERIN, C.P., 550 lb drums..D	.19	: .19 1/4	Hydroquinone, 100 lb bags.....D	..	: 12.57	Pyrophosphate, USP, 50 lb.....D	..	: 4.00
Cant. 50 lb.....D	.30	: .32	Hyocine Hydrobrom. USP 1 oz.	..	: 12.07	JALAP RESIN, lump, 5 lb tins.....D	4.00	: 4.25
Dynamite, 100 lb dra.....D	.18 1/4	: .18 1/2	vial.....oz	..	: 20.07	Powd. tins.....D	.36	: .26 1/4
Saponification, tanks.....D	.13 1/4	: .13 1/2	Five ozs., 1 oz. vial.....oz	..	: 35.07	KAPOC, 200 lb double bales.....D	60.00	: 70.00
Soap, Lye, tanks.....D	.13 1/4	: .13 1/2	Hyocyanine Alk. Cryst., 1 oz. vial.oz	..	: 35.07	KIESELGUHR, 95 lb bags NY.....ton	..	: 8.87 1/2
Goa Powder, see chrysarobin			Sulfate, 1 oz. vial.....oz	..	: 13	LANOLIN, see Adeps Lanac	..	: .04
Graphite, crude, 220 lb bags.....ton	15.00	: 35.00	Hyperide, 51°, 600 lb bbls.....D	.08 1/4	: .07	Larch, 25%, 600 lb bbls., wks..D	.03 3/4	: .04
Flake, 500 lb bbls.....D	.05	: .09	Hyperide, chips.....D	..	: 6.00	Powd., 100 lb bags, wks.....D	.07	: .08
Ground, lump, bbls.....D	.04	: .05	INDOL, C.P., 1 oz. bot.....oz	1.25	: 1.30	LEAD, metal, c/NY.....100 lb	8.87 1/2	: 9.25
Guaiacol liquid, USP, 25 lb cans.D	2.25	: 2.35	Iodides, see Potass. Iodide, etc.	..	: 14	Acetate, white crystals, 500 lb	..	: .15 1/4
Bermeate, 1 lb bot.....D	..	: 18.00	Indigo, Madras, bbls.....D	.14	: .15	bbls. wks.....D	..	: .16
Carbonate, 5 lb boxes.....D	3.00	: 3.50	Indigo, 20% paste, drums.....D	..	: 4.10	100 to 250 lb bags, wks.D	..	: 14.75
Second Hands.....D	2.75	: 2.85	IODINE, crude, 200 lb bags.....D	4.65	: 4.70	White, broken, bbls. wks.100 lb	..	: 15.00
HAARLEM OIL, Dom. 6 gr. cs.gross	2.65	: 2.75	Resublimed, 10 lb jars.....D	..	: ..	White, gran. bbls., wks.100 lb	..	: 16.25
Imported, 6 gr. cases.....D	3.75	: 4.00				White, powd., bbls. wks.100 lb	..	: 16.25
Halazone, 5 lb bot.....D	2.75	: 3.25				Kegs, wks.....D	..	: 16 1/4
						Brown, broken, bbls., wks...D	..	: 14 1/4

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Chemicals



LEAD ACETATE (Cont.)

USP, 100 lb kegs.....lb	.19	.18%
Arsenate, 100 lb kegs.....lb	.15%	.16%
Bbls. c/l wks.....lb		.15
Paste, 100 & 600 lb bbls..lb	.08	.11
Iodide, USP, VIII 5 lb bot...lb	3.20	3.40
Nitrate, 500 lb bbls. wks...lb		.12
Oxide, litharge, 500 lb bbls..lb		.12%
100 lb kegs, wks.....lb		.17%
Oxide, red, 500 lb bbls. wks..lb		.13%
100 lb kegs, wks.....lb		.17%
Peroxide, 100 lb dra.....lb	.25	.30
White, basic carb. 500 lb bbls. wks.....lb		.11%
Bbls. c/l wks.....lb		.11%
100 lb kegs, wks.....lb		.15%
White, sulfate 500 lb bbls. wks. lb		.11
Bbls. c/l wks.....lb		.11
Licorice Ext. Mass, cases.....lb	.25	.26
Compound powder, bbls.....lb	.11	.13
Powdered.....lb	.38	.40
Sticks, 1 ca. 100 lb cases.....lb	.45	.50
LIME, (Salt, see Calcium Salts)		
Ground Stone, bags.....ton	4.50	
Live, Bulk.....ton	8.50	
Live 325 lb bbls. ton lots wks..lb		.01%
Single bbl, wks.....lb		.01%
Hydrated, 167 lb bbl. ton lots, wks.....lb		.01%
Single bbl. wks.....lb		.01%
Oyster Shell, 150 lb bbl sing..lb		.03%
Sulfur, dry 200 lb dra. NY.....lb		.08%
33° Soln. 50 gal bbls. NYgal	.15	.16
Linalool, 5 lb bot.....lb	6.25	6.75
Litharge, see lead oxide		
Lithium Carb. CSP, 100 lb kegs..lb	1.50	1.60
Bromide, 100 lb ca.....lb	1.80	1.90
Citrate, USP, 100 lb kegs.....lb	1.70	1.75
Iodide, 5 lb bot.....lb		5.48
Lithopone, 400 lb bbls. 1c/l wks..lb		.06%
Bbls. c/l wks.....lb		.06%
Bags, c/l wks.....lb		.06%

Imported, 400 lb bbls.....lb	.05%	.06
Litmus Cubes.....lb	.90	1.00
Logwood, 51°, 600 lb bbls..lb	.08%	.08%
Lower grades.....lb	.07	.08
Solid, 50 lb boxes.....lb	.12%	.16
LOGWOOD, sticks.....ton	23.00	27.00
Chips, 150 lb bags.....lb	.03	.03%
Luminal, see Phenylethylmalonylurea		
Madder, Dutch.....lb	.28	.30
MAGNESITE, crude.....ton		15.00
Calcined, 500 lb bbls.....ton		48.00
Magnesium mtL, sticks 100 lb ca. lb	1.25	1.30
Carb. tech. 70 lb bags NY.....lb	.06%	.07
75 lb bbls. NY.....lb	.09	.11
USP, 60 lb bbls.....lb	.12	.14
USP, blocks 100 lb ca. 1, 2, 4 ca.....lb	.19	.23
Chloride, fused 575 lb dra. c/l wks.....ton		34.00
Flaked, 350 lb dra. wks c/l ton		36.00
Imp., fused 900 lb bbls NY ton	26.00	28.00
Fluorsilicate, crystals 400 lb bbls. wks.....lb	.12	.15
30% soln. 500 lb bbls. wks. lb	.07	.07%
Soln. bbls. c/l wks.....lb		.06
Glycerophosphate, 5 lb tins.....lb		3.25
Hydrophosphate, 5 lb cans.....lb		1.05
Oxide, USP light, 100 lb bbls..lb		.42
USP, heavy, 250 lb bbls.....lb		.50
Peroxide, 5 lb cans.....lb		2.40
Perborate, 1 lb tins.....lb		2.62
Salicylate, 160 lb kegs.....lb	.75	.80
Sulfate see Epsom Salts		
Manganese Borate, 30%, 200 lb bbls.....lb		.24
100 lb kegs.....lb		.25
Chloride, 600 lb cans.....lb	.06	.06%
Dioxide 80-84% 900 lb bbls. NY.....ton	80.00	85.00
85-90%, 900 lb bbls. NY ton	85.00	90.00

MANGANESE DIOXIDE (Cont.)

Hydrated, precip. 100 lb kgs. lb	.15	.20
Glycerophosphate, 5 lb tins.....lb		2.95
Hypnosol USP VIII 5 lb cans..lb		1.40
Iodide, 1 lb bot.....lb		6.65
Ore, bulk, NY.....lb	.43	.44
Sulfate, 600 lb cans, NY.....lb	.07	.07%
Mangrove, 55% 400 lb tins.....lb	.04%	.05
Mangrove bark, African.....ton		nom.
Marble Flour bulk.....ton	10.00	12.00
See also Calcium Carbonate		
MENTHOL, USP, 60 lb cases.....lb		11.75
Less case, 5 lb tins.....lb		12.25
MERCURY, metal, 75 lb flasks..flask	79.00	80.00
Less flasks, 5 lb jugs.....lb		1.20
Bichloride, cryst. 25 lb bxs.....lb		1.20
Gran. powd., 200 lb kegs.....lb		1.10
Bisulfate, 25 lb boxes.....lb		1.08
Blue Mass, 25 lb boxes.....lb		.71
Powdered, 25 lb boxes.....lb		.73
Blue Ointment, USP, 25 lb cans 50%.....lb		.94
USP, dilute 25 lb cans 30%..lb		.71
33% Mercury.....lb		.80
Calomel, 50 lb bxs.....lb		1.37
Citrine Ointment, 25 lb jars..lb		.51
Iodide, green 25 lb jars.....lb		4.20
Red, USP, 25 lb jars.....lb		4.30
Yellow, USP, VIII 25 lb jars..lb		4.20
Oxide, Yellow, USP, 25 lb bxs..lb		1.78
Red Precip. USP, 25 lb bxs..lb		1.48
Powder, USP, 25 lb bxs.....lb		1.58
White Precip. USP, 25 lb bxs..lb		1.49
Powdered, USP, 25 lb bxs..lb		1.54
With chalk, USP, 25 lb bxs..lb		.71
Meta-Nitraniline.....lb	.70	.80
Meta-Nitro-para-Toluidine, 500 lb bbls.....lb	2.05	2.10

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Chemicals

Meta-Phenylenediamine, 500 lb. bbls. D .90 : .95	MORPHINE (Cont.) Acetate, 5 cu. tin 10 cu. lots on Hydrobromide, 5 cu. tin 10 cu. lots D .735	Nitrobenzene, crude, 1000 lb. dra. wks. D .09 : .09½
Meta-Toluylenediamine, 500 lb. bbls. D .80 : .84	Hydride, 5 cu. tin 10 cu. lots D .735	Redistilled, 1000 lb. dra. wks. D .09½ : .10½
METHANOL (Wood Alcohol) 95% tanks gal .67	Wethyl Hydride, ¼ cu. via. 10 cu. D .935	Nitrogenous Material unit 3.30 : 3.35
Drums, c/l gal .70	Small Sizes: ¼ cu. vials, 50c extra; Musk Ambrette, 1 lb. cans. D 10.50 : 11.75	Nitronaphthalene, 550 lb. bbls. D .30 : .31
Drums, 1c/l gal .72	Myrobalans, 25% liquid bbls. D .04 : .05	Nitrotoluene, mixed 1000 lb. dra. wks. D .14 : .15
97% tanks gal .69	50% solid, 50 lb. boxes. D .08	Nutgalls, see Crude Drugs
Drums, c/l gal .72	Imported D .06½	Oak bark, whole ton 30.00 : 33.00
Drums, 1c/l gal .74	Myrobalans, bags J1 ton 65.00 : 65.00	Ground ton 35.00
Pure, Acetone free, this gal .75	R2 ton 47.00 : 47.00	Oak, tanks, wks. D .03½
Drums, c/l gal .77	J3 ton 47.00 : 47.00	23-25% liq. 600 lb. bbls. wks. D .04½ : .04½
Drums, 1c/l gal .80		Ochre D .03½
Bbls. incl. 5c higher		Oil Fuel, see Fuel Oil
Methyl Acetone, 100 gal. drums gal .75 : .80	NAPHTHA, See Solvent Naphtha	OIL MINERAL, wh. 50 gal. bbls. gal 1.00 : 1.25
Tanks, cars gal .70 : .75	NAPHTHALENE, Flakes, 175 lb. bbls. wks. D .05½ : .06½	Oil Mirbane, see nitrobenzene
Chloride, 50 lb. cys. D .50 : .55	Bbls, c/l wks. D .05 : .05½	Optum, see crude drugs
Sulleylate, USP, 50 lb. cans. D .47	Bbls, second hands, NY. D .05 : .05½	Orange Mineral, 800 lb. cans NY. D .14
500 lb. drums D .45	Balls, 250 lb. bbls. wks. D .06½ : .07	500 lb. bbls. NY. D .14
Second Hands, cans. D .44 : .45	Bbls, c/l wks. D .06 : .06½	Ortho-Aminophenol, 50 lb. bags. D 2.40 : 2.50
Methylene Blue, tech. 100 lb. lbs. D 1.25 : 1.50	Bbls, second hands NY. D .06½ : .06½	Ortho-Aminidine, 100 lb. dra. D .300
W.P., medicinal 5 lb. cans. D 2.00 : 2.50	Crushed, chipped, lbs., wks. D .05	Ortho-Dichlorobenzene, 1000 lb. dra. wks. D .06½ : .06
Michler's Ketone, 225 lb. bbls. D .375	Crude, imp., bags D .03	Ortho-Nitrochlorobenzene, 1200 lb. dra. wks. D .37
Milk, powd. 150 lb. bbls. D .14 : .15	NICKEL Ingot, 100 lb. bags D .31 : .32	Ortho-Nitrophenol, 350 lb. D .10
Milk Sugar, see sugar of milk	Salt, single 400 lb. bbls., NY. D .09 : .10	Ortho-Nitrobenzene, 1000 lb. dra. wks. D .14 : .15
Mineral Oil, see oil mineral	Double, 400 lb. bbls., NY. D .10 : .11	Ortho-Toluidine, 350 lb. bbls. D .30 : .32
Mineral Rubber ton 35.00 : 75.00	Oxide, 100 lb. kgs., NY. D .38 : .40	Osage Orange, 51° liquid D .06½ : .07
Mononectine, 50 gal. drums. D .6 : .50	Sulfate, 450 lb. bbls. D .09 : .10	Powd., 100 lb. bags D .13½ : .14
Monochlorobenzene, see chlorobenzene	Nickel Metal, electrolytic. 100 lb 31.00 : 32.00	Osgall, USP, 5 lb. bot. D 2.00 : 2.00
Monomethylaniline, 900 lb. dra. D .90 : 1.00	Nicotine, Free 40%, 8 lb. tin. D 1.35 : 1.90	Purified, 5 lb. bot. D 1.80 : 2.50
Monomethyl para-methylphenol sulfate, 100 lb. dra. D 3.95 : 4.20	Sulfate, 10 lb. tin, 40% D 1.05 : 1.35	Crude, 5 lb. bot. D .80 : 1.25
10 cu. D .735	NITRATE SODA, spot, See Sodium Nitrate	PALLADIUM, metal 10 cu. lots. 80.00 : 81.00
MORPHINE Sulfate, USP 5 cu. tin ¼ 25c extra; single cu. via., 7c ex. tra, over price for 5 cu. tin. 25 cu. lots in 5 cu. tin, 10c ex. lower than above schedule. Low than 10 cu. lots 15c ex. higher than above schedule.	Nitre Calc., bulk wks. ton 5.50 : 6.00	Pancrastin, USP 5 lb. bot. D 1.25 : 1.40
	500 lb. bbls. ton 13.00 : 14.00	Papain, 10 lb. bot. USP, Powd. D 2.15 : 2.25
		Crude, 150 lb. cans. D 1.80 : 1.95
		Paraffin, ref'd 200 lb. ex. slabs 123-127 Deg. M. P. D .05½ : .05½

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strate its advantages.

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200 Fifth Avenue, New York

Chemicals

PARAFFIN (Cont.)

138-132 Deg. M. P.....D	.06	: .06%
138-137 Deg. M. P.....D	.08%	: .07
138-140 Deg. M. P.....D	.07%	: .07%
Para-Aminoacetanilid, 100 lb		
kegs	1.10	: 1.15
Para-Aminophenol, 100 lb kegs..D	1.16	: 1.25
Hydrochloride, 100 lb keg....D	1.35	: 1.40
Para-Dichlorobenzene, 150 lb bbls.		
wks. ....	.17	: .30
25-50 lb kegs .....	.18	: .23
Paraaldehyde, 100 gal. drs.....D		
.....		: .48
Para-Cymene, Refd., 110 gal drs.gal	2.25	: 2.50
Paraformaldehyde, USP, 100 lb cs.D	.42%	: .45
Para-Nitroacetanilid, 300 lb		
bbls. ....	.50	: .55
PARA-NITROANILINE, 300 lb bbls.		
wks. ton .....	.62	: .65
Para-Nitrochlorobenzene, 1200 lb drs.		
wks. ....	.30	: .32
Para-Nitro-ortho-Toluidine, 300 lb		
bbls.	2.75	: 2.85
Para-Nitrophenol, 185 lb bbls....D	.55	: .58
Para-Nitrodimethylaminiline, 120 lb		
bbls. ....	.95	: 1.00
Para-Nitrosoluen, 350 lb bbls....D	.40	: .42
Para-oxo Benzaldehyde, 100 lb		
kegs	1.70	: 1.70
Para-Phenetidin, 500 lb drs....D	1.55	: 1.80
Para-Phenylenediamine, 350 lb		
bbls.	1.25	: 1.30
Para-Toluene-Sulfonamide, 175 lb		
bbls. ....	.40	: .41
Para-Toluene-Sulfonchloride, 410 lb		
bbls. wks. ....	.18	: .30
Para-Toluidine, 350 lb bbls. wks.D	.70	: .75
PARIS GREEN		
Arsenic Basis, 500 lb kegs....D	.21	: .22
Kegs, 100 lbs. ....	.23	: .24
Kilo, 56, 28, 14 lbs. ....	.24	: .25

PARIS GREEN (Cont.)

Packages, 5 and 2 lbs. ....D	.25	: .26
Packages, 1 lb, ½ lb, ¼ lb..D	.27	: .31
Paris White, see whitening. French		
Pepain, USP, 5 lb bot.....D	2.25	: 2.50
Permian Berries .....	.27	: .30
PETROLATUM, green 300 lb bbls.D	.02%	: .03
Dark Amber, 300 lb bbls....D	.03%	: .04
Light Amber, 300 lb bbls....D	.04%	: .05
Cream White, USP 300 lb bbls.D	.07	: .07%
Snow White, USP, 300 lb bbls.D	.12%	: .13
Lily White, USP, 300 lb bbls.D	.09	: .09%
Phenol, see also acid carbolle		
Makers, 950 lb drums, spot....D	.23	: .24
Small drums, 240-100 lb ..D	.24	: .26
Open market, drums .....	..	: .24
240 lb drs. drs. wks. ....	..	: .25
Natural, 240 lb drs. drs. wks..D	..	: ..
Phenolphthalein, USP, 100 lb drs.D	1.50	: 1.40
5 lb cans, 100 lb lots.....D	1.40	: 1.50
Phenyl-Alpha-Naphthylamine 100 lb		
kegs	1.23	: 1.29
Phenylethylalcohol, 1 lb bot. Dom.D	8.00	: 10.00
Imported	7.00	: 7.75
Phenylethylmalonylurea, ca. pls..os	..	: 5.50
Phosgene, 100 lb cylinders .....	..	: ..
Phosphate Acid, 16% Bulk wks.ton	..	: 9.50
Phosphate Rock, f.o.b. mines		
Florida Pebble, 68% .....	..	: 2.15
Florida Pebble, 70% .....	..	: 2.25
Florida Pebble, 75-74% .....	..	: 3.75
Tennessee, 72% .....	..	: 5.50
Phosphorus Oxichloride, 175 lb cyl.D	.35	: .40
Phosphorus, red 110 lb cs., cas..D	1.00	: 1.10
Imported, 112 lb cases .....	.68	: .70
Yellow, 110 lb cs., wks.....D	.32	: .35
Imported, 112 lb cases.....D	..	: ..
Phosphorus Trichloride, 175 lb cyl.		
wks. ....	..	: .45
Phthalic Anhydride, 100 lb bbls.D	.21	: .23

PILOCARPINE HYDROCHLORIDE, USP 25 cs.

lots, 1 cs. vials.....cs	4.00	: 4.50
Nitrate, 25 cs. ....	..	: 4.00
Single, cs. ....	..	: 4.50
Alkaloid, 15 gr. vls.....cs	..	: .85
Pine Oil, stm. dist. bbls.....gal	..	: .66
Destructive dist. ....	.63	: .64
Piperazine Hydrate, 1 lb bot....D	..	: 16.00
Piperidine, 25 cs.	1.10	: 1.25
Pitch, Coal-Tar, wks.....ton	24.00	: 26.00
Pitch, prime .....	..	: 5.50
Plaster Paris, tech 250 lb bbls.bbl	..	: 3.30
True Dental, 300 bbls....bbl	..	: 4.50
Platinum, metal soft 10 cs. lots..cs	..	: 119.00
Podophyllin, 5 lb bot.	4.75	: 5.00
Second Hands	4.50	: 4.40
POTASH		
Pot. Murate, basis, 80% bgs, ton	..	: 34.55
Pot. Sulfate, basis, 90% bgs, ton	..	: 45.55
Dble. Manure Salts, basis 48%		
bgs. ....	..	: 26.55
Manure Salts, basis, 30% bulk.ton	..	: 17.03
Manure Salts, basis, 20% bulk.ton	..	: 10.55
Kainit, basis, 12.4% bulk.ton	..	: 7.75
Bulk in bags, \$2.00 extra.		
Prices c.i.f. Atlantic & Gulf Ports.		
Discounts, 50 tons, 5%; 500 tons, 10%.		
POTASH, CAUSTIC, solid 88-92%		
700 lb drs. wks.....D	.07%	: .07%
Imp., 88-92% 700 lb drs. NY.D	.07%	: .07%
USP, by alcohol 5 lb cans....D	.46	: .48
cases .....	.30	: .35
POTASSIUM Acetate, USP, 100 lb		
kegs .....	.29	: .30
Second Hands, kegs.....D	.26	: .28
Bicarbonate, crya. 320 lb bbls.D	.10	: .11%
Bichromate, crya., 900 lb casks.D	.08%	: .08%
Fowd., 900 lb casks, wks..D	.11	: .12
Binoxalate, 300 lb bbls.....D	.19	: .20
Import, 112 lb bbls.....D	.18	: .19

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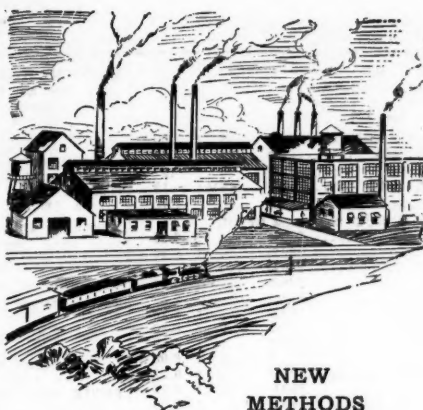
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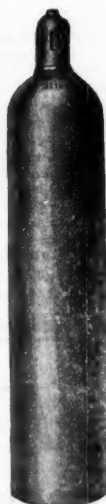
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Liquid Chlorine is now the accepted bleaching agent. It is a sign of the times, for Liquid Chlorine solutions put added quality into textiles, while increasing the output. It gives 100% bleaching efficiency. It always gives standard strength solutions. And freight charges are lessened, plus ease of handling in the plant.

For the convenience of our customers, in addition to our plant and warehouse at Niagara Falls, we carry stocks at Providence; Long Island City; Charlotte, N. C.; Dallas, Tex.; Chicago and Denver.

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Chemicals

R SALT, 250 lb bbls., wks.....D	.47	: .49
Red Lead, see lead oxide		
Red Precipitate, see mercury		
Resorcin, see resorcinol		
Resorcinol tech., 100 lb kegs.....D	1.35	: 1.50
USP, 25 lb cans.....D	2.25	: 2.35
Robelle Salt, USP, 225 lb bbls.....D	.20	: .21
Imp. USP, 300 lb bbls.....D	.18%	: .19
Rosewater, triple, 5 gal. dems. gal	.90	: 1.10
Gorins, (Sold in 600 lb bbls., gross for net,		
B.....280 lb	8.25	
D.....280 lb	8.25	
E.....280 lb	8.25	
F.....280 lb	8.25	
G.....280 lb	8.25	
H.....280 lb	8.25	
I.....280 lb	8.30	
K.....280 lb	8.50	
M.....280 lb	8.50	
N.....280 lb	8.25	
WD.....280 lb	9.50	
WW.....280 lb	10.00	
(Sold in 600 lb bbls., gross for net,		
quotations based on a unit of 280 lb.)		
Rosin Oil, first run, 50 gal. bbls. gal	.48	: .50
Second run, bbls.....gal	.51	: .52
Roten Stone, lump imp., bbls.....D	.07	: .08
Lump selected, bbls.....D	.09	: .12
Powdered, bbls.....D	.02	: .05
Domestic, bags, mines.....ton	24.00	: 30.00
SACCHARIN, USP, 10 lb cans, 25 lb		
D.....D	1.75	: 1.85
Soluble, USP, 10 lb cans, 25 lb D	1.75	: 1.85
Sago Flour, 150 lb bags.....D		: .05
Salt Ammoniac, see Ammon. Chloride		
Galicia, USP, 1 lb cartons, 25 lb D	4.75	: 5.00
Galol, USP, 100 lb drums.....D	.75	: .80
Salt, Common, see sodium chloride		
Salt Cake, c/l f.a.h. wks.....ton	12.00	: 12.00
SALTPETRE, Double Refined		
Granular, 400-500 lb bbls.		
c/l wks.....D		: .00

SALTPETRE (Cont.)		
Less c/l wks., bbls.....D	.06%	: .06%
Large Crystals, 350-400 lb bbls.,		
c/l wks.....D	.07%	
Small Crystals, 350-400 lb bbls.,		
c/l wks.....D	.07	
Powdered, bbls., c/l wks.....D	.07	
Imported, 500 lb bbls. NY.....D	.05%	: .06%
Santonin, USP, 1 lb bot.....D	155.00	: 158.00
Powd. 1 lb bot.....D	158.00	: 162.00
Saponin, ex Quillaja, 5 lb tins.....D	.90	: 1.00
Saltic White, 500 lb bbls.....D		: .01%
Schaeffer's Salt, 250 lb bbls.wks.D	.60	: .65
Scopolamine, see hyoscyne		
Seidlitz Mixture, 225 lb bbls. ..D	.16%	: .16%
SILICA		
Crude, bulk, mines.....ton	10.00	: 12.00
Refined, coated, bags.....ton	18.00	: 30.00
Air coated, bags.....ton	32.00	: 50.00
Pyra coated, bags.....ton	55.00	: 65.00
SILVER, metal, American.....oz		: .68%
Colloidal, 16 oz bot.....oz		: 2.80
Colloid (cellulose) 16 oz bot.....oz		: .69
Nitrate, 16 oz. bot.....oz	.46%	: .48%
Nucleinate, 16 oz. bot.....oz	.34	: .38
Proteinates, 16 oz. bot.....oz	.34	: .38
Soap, Castile, 40 lb bbs.....D	.20	: .25
Powd trip 950 lb bbls.....D	.20	: .20
Green, USP, 150 lb kegs.....D	.07	: .07%
Soapstone, see Talc. crude		
SODA ASH, 55% light		
1-4 bags, deliv'd NY.....100 lb		: 2.19
5 & Up bags, deliv'd NY.....100 lb		: 2.04
1-4 bbls., deliv'd NY.....100 lb		: 2.44
5 & Up bbls., deliv'd NY.....100 lb		: 2.20
Contract Basis 55% bags c/l		
wks.....100 lb		: 1.38
Prompt and spot, Basis 55% bags		
c/l wks. 1-4-5-100 lb		: 1.48
Contract, Basis 55% dense bags		

SODA ASH (Cont.)		
c/l wks.....100 lb		: 1.45
Prompt and spot, Basis 55% bags		
c/l wks.....100 lb		: 1.50
SODA, CAUSTIC, 76% solid		
1-4 drums deliv'd NY.....100 lb		: 3.91
5 & Up drums deliv'd NY.....100 lb		: 3.78
Ground & Flake, 76%		
1-4 drums, deliv'd NY.....100 lb		: 4.31
5 & Up drums deliv'd NY.....100 lb		: 4.18
1-4 bbls. deliv'd.....100 lb		: 4.56
5 & Up bbls., deliv'd.....100 lb		: 4.41
Contract basis 76% c/l		
100 lb		: 3.10
Prompt and spot, Basis 76%		
c/l wks.....100 lb		: 3.20
Contract 74% low grade c/l		
wks. flat.....100 lb		: 3.02
Ground & Flake, 76% prompt and		
spot, wks. c/l drs. 100 lb		: 3.80
Contract 76% drums c/l wks.		
flat.....100 lb		: 3.50
USP, stick, 10 lb cans.....D	.19	: .21
Pure, stick, by alcohol.....D	.25	: .27
SODIUM ACETATE, crys. 450 lb bbls.		
wks.....D	.05%	: .06
Aluminate, 500 lb bbls., wks.....D	.07%	: .08
Aluminum Sulfate, see alum. soda		
Arsenite, 4 lb mat. wks. drums. gal	.50	: .60
Drums, 8 lb material, wks. gal	1.00	: 1.20
Bermoste, USP, 100 lb bbls.....D	.63	: .65
Besales.....D	.61	: .62
Bicarbonate, 400 lb bbls. NY.....100 lb		: 2.25
Bbls. c/l wks.....100 lb		: 2.00
112 lb kegs, wks.....D		: 2.25
112 lb kegs, NY.....100 lb		: 2.50
Chromate, 600 lb cans wks.....D	.06%	: .07
Casks, c/l NY.....D	.06%	: .07
Casks, NY.....D	.06%	: .06%
Bisulfite, dry powder, 500 lb		
bbls., wks.....D	.04	: .04%

Quality First

—and Always



There is no need for specifications when you order Diamond Alkalies—The quality is guaranteed—Diamond Soda Ash over 99% pure—Diamond Caustic Soda over 98% pure.



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Solvay 58% Soda Ash

Dense—Light

Solvay 76% Caustic Soda

Solid—Flake—Ground

Solvay Super Alkali

Solvay Snow Flake Crystals

(Trademark Registered)

Solvay Laundry Soda

Solvay Cleansing Soda

Solvay Tanners Alkali

Solvay Tanners Soda

Solvay Liquid Caustic Soda

Solvay Calcium Chloride 73%—75%



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Chemicals

SODIUM—(Continued)

BROMIDE, USP, 450 lb bbls.. D	.48	: .49
Cases, 50 lb	.48	: .49
Imp. USP, 112 ea.	.40	: .42
Bromate, 100 lb ea.	...	: 1.15
Cacodylate, USP, 25 lb		
5 lb bot.	5.90	: 6.00
Carbonate, sal soda, 350 lb bbls.		
1c/ NY	1.30	: 1.35
Works c/l	1.10	: 1.30
Monohydrate, 400 lb bbl.		
1c/ NY	...	: 2.40
Pure photographic 100 lb		
kg	.08	: .08
Chlorate, 112 lb kegs, wks.. D	.06½	: .06½
Imported, 112 lb kegs.. D	.06½	: .06½
Chloride, tech	12.00	: 13.00
C. P., 300 lb bbls.	.05	: .08
Chromate, 800 lb bbls.	...	: .08
Citrate, USP, IX, 50 lb kegs.. D	...	: .59
USP, VIII, 50 lb kegs.. D	...	: .53
Cyanide, 98-98%, 100 lb cases		
wks	...	: .22
Ten lots, wks.	...	: .22
75-76%, 100 lb cases, wks.. D	...	: .19½
125-128%, 300 lb ea.	.30	: .20½
120-125%, 300 lb ea.	.17	: .18
118-120%, 300 lb ea.	.16	: .17
Fluoride, 300 lb bbls., wks.. D	...	: .09
Imp. 350 lb bbls.	.09	: .09½
Glycerophosphate, USP, cryst., 25 lb		
case	1.40	: 1.50
Powder, 25 lb tins	1.45	: 1.60
Sol tion, USP, 25 lb tins.. D	1.05	: 1.15
Hydroxide, see Soda Caustic		
Hypochlorite, Soln., 100 lb chys. D	...	: .05
14½% soln., 50 lb chys.. D	...	: .04
Hydroxide, 200 lb bbls, fob, wks. D	.22	: .24
For Stripping, 50 lb cans.. D	.85	: .40
Hypophosphite, USP, 25 lb cans		
D	.70	: .75

SODIUM—(Continued)

HYPOSULFITE, tech. pes crys.		
375 lb bbls., wks.. 100 lb	2.65	: 3.05
Bbls., c/l wks.	...	: 2.50
100 lb kegs, wks.. 100 lb	2.75	: 3.30
Imp.	...	: 2.90
Regular crys., bbls. wks. 100 lb	2.40	: 2.65
Bbls., c/l wks.	2.40	: 2.50
Kegs, wks.	3.00	: 3.10
Imp.	...	: 2.35
Iodide, USP, 25 lb jars	4.25	: 4.30
Metasilicate, 150 lb bbls.	.55	: .70
Naphthionate, 300 lb bbls.	.57	: .60
Nitrate, crude, 95%, 200 lb bgs.		
c/l NY	...	: 2.66
Future, NY	2.66	: 2.67
Double Refined 400 lb bbls		
gran. c/l wks.	...	: .04½
Powdered, bbls. c/l wks.. D	...	: .05½
Nitrite, 500 lb bbls., spot makers D	...	: .09
Imp. 650 lb cases.	.09	: .09½
Ortho-Chloro-Toluene Sulfonate,		
175 lb bbls., wks.	.25	: .27
Oxalate, neutral, 100 lb kegs.. D	...	: .39
Perborate, 275 lb bbls.	.22	: .23
Imp. 225 lb drs.	.22	: .23
Peroxide, 200 lb cases	.25	: .27
Phosphate, di-sodium, tech. 550 lb		
Bbls.	.03½	: .03½
USP, gran. 275 bbls.	.07	: .07½
Imp. gran.	.05½	: .06
USP, Crystal, 275 bbls.	.07½	: .08
Mono-sodium, 100 lb kegs.. D	.30	: .31
Tri-sodium, tech., c/l bbls. D	.04	: .04½
Picramate, 100 lb kegs	...	: .60
Para-Toluene Sulfonate, 175 lb		
bbls.	.08	: .09
PRUSSIAN, yellow, 350 lb bbls.		
wks.	.10	: .10½
Imp. 450 lb chs.	.10	: .10½
Pyrophosphate, 100 lb kegs.. D	.24	: .26
Sulleylate, 100 lb kegs	...	: .40
Second Hands, USP, kegs.. D	.37	: .40

SODIUM—(Continued)

Silicate, 60° 700 lb bbls., f.a.s.		
NY	...	: 3.00
Works, 1000 lb drs.. 100 lb	...	: 1.70
Works, tanks	...	: 1.60
40° domestic, 700 lb c/l f.a.s.		
wks.	...	: .30
Works, 1000 lb drs.. 100 lb	...	: .85
Works, tanks	...	: .75
Spot, drs., bbls	1.50	: 1.60
Silicofluoride, 450 lb bbls. NY. D	.04½	: .04½
Sulphate, see Glauber's Salt		
Sulfate, Anhydrous, 550 lb bbls.		
c/l wks.	.03½	: .04
Imp. 250 lb bbls.	.02½	: .03½
Sulfide, 60% solid, 650 lb drs.		
1c/ wks.	...	: .04½
Dr. c/l wks.	...	: .04
Imp. 700 lb drs. NY.	...	: .04½
60% broken, 650 lb drs. wks. D	...	: .04½
Dr. c/l wks.	...	: .04½
30% crys. 440 lb bbls, wks. D	...	: .02½
Imp. 400 lb bbls.	...	: .03½
Sulfite, crys. 400 lb bbls. wks. D	...	: .03½
Anhydrous, 400 lb bbls.	...	: .09½
Sulfocarbonate, USP, 100 lb kegs D	.32	: .34
Sulfocyanide, 400 lb bbls.	.45	: .47
Tungstate, crys. 100 lb kegs.. D	.55	: .60
Anhydrous, kegs	...	: .75
SOLVENT NAPHTHA, 110 gal.		
dr. wks.	...	: .30
8000 gal. tank cars, wks. gal	...	: .25
Spartan Sulfate, USP, 2500 bulk. ea	.40	: .50
Single oz. vial	...	: .57
Spirits Turpentine, bbls.	...	: .04½
Stm. dist.	...	: .84½
Spruce, 25% liquid tanks, wks. D	.01	: .01½
Powd. 50% 100 lb bags, wks. D	.02	: .02½
Starch, rice, 140 lb bags.. D	.09	: .10



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Chemicals

SUGAR, powd. 140 lb bgs. c/100 lb 4.07 : 4.17	SULFUR	Tar, Coal Gas, Tks. wis. gal .06 : .08
Bags, 1c/1 100 lb 4.27	Crude, f.o.b. mines ton 14.00 : 15.00	Coke Oven, Tks., wis. gal .07 : .08
Pearl, 140 lb bgs. c/100 lb 3.97	Brimstone, 250 lb bags, c/1 100 lb 1.75 : 1.95	Water Gas, Tks., wis. gal .06 : .08
Bags, 1c/1 100 lb 4.17	Less c/1 bags NY 100 lb 1.85 : 2.10	Tar, kiln-burnt bbl 13.50
Potato domestic, 300 lb bags. lb ..... .05 : .05%	Roll, 500 lb bbls. c/1 NY. 100 lb 2.15	Retort bbl 13.50
Imported, bags duty paid. lb ..... .06% : .07	Less c/1 bags NY 100 lb 2.20 : 2.45	Tartar Emetic, tech. 700 lb bbls. lb ..... .26 : .27
Wheat, dom. lb ..... .06% : .06%	Flour, Heavy, 280 lb bbls, 100 lb 2.50 : 3.05	USP, 300 lb bbls ..... .31 : .34
Imp. lb ..... .06% : .07	Light, 100%, 260 lb bbls, 100 lb 2.60 : 3.15	Terpin Hydrate, USP, 100 lb kgs. lb ..... .50 : .55
Sol. Potato lb ..... .07 : .07%	Rubbermakers 100%, 240 lb 2.50 : 3.15	Terpineol, CP 1000 lb drums. lb ..... .48 : .50
Steamed Bone Meal, 3 & 50 Ball. ton 27.00 : 27.50	bbls, NY 100 lb 2.50 : 3.30	Care, 50 lb ..... .53 : .57
STRONTIUM Bromide, USP, 50 lb	Commercial, 99%, 150 lb bgs. 1.35 : 1.65	Case, 25 lb ..... .95 : 1.20
bags lb ..... .51 : .52	For Dusting, 99%, 100 lb 2.00 : 2.50	Terpinyl Acetate, 25 lb cans. lb 1.65 : 1.85
Carb. 600 lb bbls, wis. lb ..... .07	bgs. NY 100 lb 2.00 : 2.50	Terra Alba, No. 1, 300 lb bbls. 100 lb 1.85 : 1.90
100 lb kgs, wis. lb ..... .08	Flowers, 100%, 240 lb bbls. 2.00 : 3.55	No. 2, bbls. 100 lb 1.25 : 1.35
Iodide, USP, 25 lb jars. lb 4.00	NY 100 lb 2.00 : 3.55	Theobromine Alk., 5 lb cans. lb 3.60 : 3.55
Nitrate, 600 lb bbls, wis. lb ..... .10 : .10%	Precipitated, 125 lb bbls NY. lb ..... .14 : .17	and Sod. Salicylate, 1 lb bot. lb ..... .29 : .22
Imp., bbls, NY. lb ..... .09 : .09%	Lac, 125 lb bbls NY. lb ..... .07 : .10	Thiocarbamid, 170 lb bbls. lb ..... .27 : .29
Salicylate, USP, 100 lb kgs. lb ..... .75 : .80	Sulfur Chloride, red, 700 lb drs. .... .05% : .06	Thymol, USP, 25 lb tins lb 4.25 : 4.50
STRYCHNINE Alkaloid, USP, crys.	wis. lb ..... .07	TIN, Metal Struts, NY lb 54.50
100 oz. tin oz. .... .81	150 lb chys., wis. lb ..... .04% : .05	Iodide, 5 lb boxes lb 7.25 : 7.50
Alk. powd., USP oz. .... .71	Yellow, 700 lb drs. wis. lb ..... .06	American standard, NY. 100 lb 55.75 : 55.75
Acetate oz. .... .80	150 lb chys., wis. lb ..... .08 : .08%	99% American, NY 100 lb 55.75
Glycerophosphate, USP oz. .... .80	Sulfur Dioxide, 100 lb cyl. lb ..... .08 : .08%	Bichloride, 50% soln. 100 lb ..... .15% : .15%
Hydrobromide oz. .... .80	Iodide, USP, VIII, 5 lb bot. lb 4.55	Crystals, 500 lb bbls, wis. lb ..... .39
Hydrochloride oz. .... .80	Sulfuric Ether, see Ether ..... .65 : .70	100 lb kgs, wis. lb ..... .39%
Hydrophosphite oz. .... .80	Sulfuryl Chloride, 600 lb drs. lb ..... .06 : .07%	Oxide, 300 lb bbls, wis. lb ..... .61
Nitrate, USP oz. .... .80	Sumac, Liquid, 450 lb bbls. lb ..... .11 : .12	100 lb kgs, wis. lb ..... .63
Phosphate oz. .... .80	Stainless, 600 lb bbls. lb ..... .11 : .12	Tetrachloride, 1000 lb drs. wis. lb ..... .32
Sulfate, USP, crys. powd. oz. .... .57%	Sumac, Sicily, 160 lb bags. ton 180.00	Titanium Oxide, bbls, wis. lb ..... .13 : .14
Saccharinate oz. 1.92	Virginia, 150 lb bags ton 60.00	Tolidine, 350 lb bbls. lb ..... .90 : .94
Stychnine preparations quoted bases	Destructive, distilled, bbls. gal ..... .68 : .70	Sulfate, 350 lb bbls. lb ..... .80 : .85
1000 oz. lots in 1000 oz. Small Sizes:	TALC, Italian 220 lb bags NY. ton 40.00 : 50.00	Toluene, 8000 gal. tank cars, wis. gal ..... .26
1/2 oz. vials, 50c extra; 1/4 oz. vials, 25c	Refined, white, bags ton 50.00 : 55.00	11 gal. drs. wis. gal ..... .81
extra; single ounce vials, 7c extra. Lots	French, 220 lb bags, NY. ton 30.00 : 35.00	Toluidine, Mixed, 900 lb drs. wis. lb ..... .31 : .32
of 25 oz. 5c higher than above	Refined, white, bags ton 38.00 : 45.00	Triacetin, 50 gal. drs., wis. lb ..... .37%
schedule. Lots of less than 25 oz.	Dom., crude, 100 lb bags NY. ton 12.00 : 15.00	Tribromphenol, 100 lb cases. lb 1.00
10c higher per oz.	Refined, 100 lb bags NY. ton 16.00 : 18.00	Trical, see Sulfonethymethane
Sugar Coloring (See Caramel)	Tankage, ground, NY. unit 3.50	Triphenylguanidine U ..... .73 : .75
Sugar Milk, USP, 200 lb bbls. lb ..... .21 : .21%	High grade f.o.b. Chicago. unit 3.10 : 10	Triphenyl Phosphate, 450 lb bbls. lb ..... .55
Second Hand, USP, bbls. lb ..... .19 : .20	Tapoca Flour, high grade bags. lb ..... .05% : .06	
Sulfonal, see Sulfonmethane	Medium grade, bbls lb ..... .04% : .05%	
Sulfonethymethane, USP, 10 lb bbs. lb 3.85 : 4.05	Low grade, bags lb03% : .04%	
Sulfonmethane, USP, 10 lb bbs. lb 3.85 : 3.85	High grade ton 32.00 : 40.00	

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Tripoli, 500 lb bbls.....100 lb	2.50	: 3.00
Tungsten NY.....WO ₂ unit	...	: 8.80
T rkey Red OIL, bbls.....lb	.11	: .12
Turpentine, see Spirits Turpentine		
Wood, see Wood Turpentine		
Ultramarine Blue.....lb	.15	: .25
UREA, pure, 112 lb cases.....lb	.18	: .20
Valonia Cups, 80-31% tan.....ton	...	: 37.00
Beard, 42% tan, bgs.....ton	54.00	: 55.00
Mixtures, 36% tan.....ton	...	: 43.00
VANILLIN, USP, 500 oz. cans.....oz	...	: .49 1/2
Cans, 80 oz.....oz	...	: .60
Cans, 16 oz.....oz	...	: .61
Second Hands.....oz	.47	: .50
Venetian Red.....lb	...	: .05
Verdigris, see Copper Subacetate		
Vermillion, Amer. 100 lb kegs.....lb	.35	: .40
English, kegs.....lb	1.35	: 1.40
Veratrine Sulfate, 1 oz. vial.....oz	...	: 1.85
Hydrochloride, 1 oz. vial.....oz	...	: 1.85
Vernal, see Acid Diethylbarbituric	...	
Wattle Bark, bgs.....ton	43.50	: nom.
WHITE LEAD, see lead, white		
White Precipitate, see mercury		
Whiting, 200 lb bags, c/l wks.....ton	13.00	: 15.00
Bags, 1c/l NY.....ton	...	: 18.00
Gilders, bags, NY.....ton	13.50	: 15.00
French, bags, NY.....ton	...	: 18.00
English, bags, NY.....ton	21.00	: 23.00
Witch Hazel Extract, 50 gal. bbls.gal	1.00	: 1.05
Wood Turpentine, atm. dist. bbls.gal	.82 1/2	: .85
XYLENE, 3° dist. range, nitration	...	
110 gal. drs. NY.....gal	...	: .50
5° dist. range, 8000 gal. tanks	...	
wks.....gal	...	: .85
110 gal. drs. wks.....gal	...	: .40
10° dist. range, drums, wks.....gal	...	: .35
Tanks, wks.....gal	...	: .30
Commercial, 110 gal drs., wks.gal	...	: .31
Tanks, wks.....gal	...	: .28
Xyldise.....lb	.40	: .42

YARA YARA, 1 lb tins.....lb	1.65	: 1.80
Yohimbina Hydrochloride, 1 oz. vial.....oz	...	: 4.50
Yolk Oil, bbls.....lb	...	: .35
ZINC, METAL, high grade, slabs		
c/l NY.....100 lb	...	: 8.25
Common Slabs, c/NY.....100 lb	...	: 7.60
Mossy, 25 lb bxs. NY.....lb	...	: .14
Ammonium Chloride, powd., 400 lb	...	
bbls.....lb	.07 1/2	: .08
Carb. tech., 150 lb kegs NY.....lb	...	: .14
USP, 100 lb kegs.....lb	...	: .33
Chloride, fused, 600 lb drs. wks.lb	.06 1/2	: .07
Drs. c/l wks.....lb	...	: .06
Granulated, 500 lb bbls.wks.lb	.07	: .07 1/2
Imported, drs., NY.....lb	.07 1/2	: .07 1/2
Solution, 50%, tanks wks100 lb	2.25	: 2.50
USP, 25 lb jars.....lb	.27	: .29
Cyanide, 100 lb drs.....lb	.40	: .41
Dust, 100 lb tins, wks.....lb	...	: .10 1/2
500 lb bbls., kegs, 1c/l wks lb	...	: .10 1/2
500 lb bbls., kegs, c/l wks. lb	...	: .09 1/2
Iodide, 5 lb bbls.....lb	5.25	
Nitrate, 25 lb jars.....lb	...	: .45
Oxide, Amer. 300 lb bbls, wks.....lb	.08 1/2	: .08 1/2
French, 300 lb bbls wks.....lb	.10 1/2	: .12 1/2
Bbl c/l wks.....lb	.09 1/2	: .11 1/2
Bags, c/l wks.....lb	.09 1/2	: .10 1/2
USP 100 lb bbls, c/l.....lb	...	: .20
Ton lots, wks.....lb	...	: .10 1/2
Imported, white seal, bbls. lb	...	: .12
Green seal, bbls.....lb	...	: .10
USP 100 lb bbls.....lb	.15 1/2	: .16
Stearate, USP, 50 lb bbls.....lb	.20	: .20 1/2
Resales.....lb	.17 1/2	: .18
Sulfate, 400 lb bbls, wks.....lb	.03 1/2	: .03 1/2
Bbls, c/l wks.....lb	...	: .03
USP, 100 lb kegs.....lb	.08	: .09
Sulfone, 500 lb bbls.....lb	.30	: .32
Sulfocarbonate, 100 lb kegs.....lb	...	: .32
wks.....lb	1.25	: 1.75
Zirconium, oxide, pure.....lb	.45	: .50
Semi-ref'd, bgs.....lb	.08	: .10
Natural, bgs.....lb	.02 1/2	: .03

Oils - Fats

Castor, No. 1, 400 lb bbls.....lb	.17 1/2	: .18
80 lb cases.....lb	...	: .18 1/2
No. 3, bbls.....lb	.17	: .17 1/2
Blown, 400 lb bbls.....lb	...	: .19
China Wood, bbls. spot NY.....lb	.13 1/2	: .14
Tanks, Spot, NW.....lb	.12 1/2	: .12 1/2
Cst. tzs., Feb. forw.....lb	...	: .11 1/2
Coconut, Ceylon, 375 lb bbls, NY, lb	.10 1/2	: .10 1/2
8000 gallon tanks, NY.....lb	...	: .09 1/2
Cochin, 375 lb bbls, NY.....lb	.11	: .11 1/2
Tanks, NY.....lb	...	: .10 1/2
Mandia, bbls., NY.....lb	.10 1/2	: .10 1/2
Tanks, Pacific Coast.....lb	...	: .09
Editoie, bbls., NY.....lb	.12 1/2	: .13
Cod Newfoundland, 50 gal. bbls.gal	.62	: .65
Tanks, NY.....gal	.55	: .57
Cod Liver, see Cod Liver Oil under Chemicals		
Copra, bags.....lb	.06	: .06 1/2
Corn, ref., 375 lb bbls. NY.....lb	...	: .13 1/2
Crude, tanks mills.....lb	.09	: .09 1/2
Bbls., NY.....lb	.11	: .12
Cottonseed, crude, tks., mill.....lb	.09 1/2	: .09 1/2
F. S. Y., 100 bbls NY.....lb	...	: .10 1/2
White, 100 bbls. lots, NY.....lb	...	: .10 1/2
Winter yellow, 100 bbls, NY, lb	.13	: .13 1/2
Degras, Amer. 50 gal. bbls., NY, lb	.04 1/2	: .04 1/2
English, light, bbls., NY.....lb	.05 1/2	: .05 1/2
Brown, bbls., NY.....lb	.04 1/2	: .04 1/2
Light brown, bbls., NY, lb	.04 1/2	: .04 1/2
Dark, bbls., NY.....lb	.03 1/2	: .04
Neutral, bbls., NY.....lb	.07	: .08
Monsieur, 50 lb, NY.....gal	...	: .60
Greases, choice white. bbls., NY, lb		
Yellow.....lb	.11 1/2	: .11 1/2
Brown.....lb	...	: .08 1/2
House.....lb	...	: .08 1/2
Bone naphtha.....lb	...	: .07



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Soda Ash

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Granular if Desired

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50 BROAD STREET
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CINCINNATI

Oils - Fats

Herring, Tanks, Coast...	gal	...	Nom.	Palm Kernel, bbls., NY.....	lb	.10	.10%
Herse, 375 lb bbls., NY.	lb	...	Nom.	Peanut, refined, bbls., NY.....	lb	.14%	.15
Lard, prime steam, bbls.	lb	.15%	.16	Crude, mts. buyers' tks.	lb	...	...
Compound, bbls.	lb	...	.13	Crude, bbls., NY.....	lb	.15%	.11%
LARD OIL, Edible, prin	lb	...	.18%	Perilla, bbls., NY.....	lb	.15%	Nom.
Off prime, bbls.	lb	...	.15%	Poppseed, bbls., NY.....	gal	2.25	2.50
Extra, bbls.	lb	...	.14%	Rapeseed, refined, bbls., NY.....	gal	.93	.95
Extra, No. 1, bbls.	lb	...	.13%	Blown, bbls., NY.....	gal	...	1.14
No. 1, bbls.	lb	...	.13	Red Oil, distilled, bbls.	lb	...	.11%
No. 2, bbls.	lb	...	.12%	Saponified, bbls.	lb	...	.11%
LINSEED, raw, c/l bbls., spot...	gal	...	1.20	Tanks	lb	...	.11
Five bbls., raw	gal	...	1.23	Salmon, 8000 gal. tks. Coast...	gal	...	...
Tanks, raw	gal	...	1.24	Sesame, edible, bbls.	lb	.13%	.15
Bofied, 5 bbl. lots	gal	...	1.26	Sod Oil, bbls., NY.....	lb	...	.40
Double Bofied, 5 bbl. lots	gal	...	1.27	SOYA BEAN, crude, tks., Coast...	lb	...	.10%
Mar., Apr., c/l wks.	gal	...	1.20	Crude, tks., NY.....	lb	...	.12%
May-Aug., c/l wks.	gal	...	1.21	Crude, bbls., NY.....	lb	.13%	.14
Imported, bbls., NY.....	gal	...	...	Refined, bbls., NY.....	lb	...	.14%
Tanks, NY.....	gal	...	...	Sperm, 38° c.t. bichd. bbls. NY.gal	...	.89	...
Menhaden, crude, bbls., wks.	lb	...	Nom.	45° cold test, bichd. bbls. NY.gal	...	.84	...
Crude, tanks, Balt.	gal	...	Nom.	STEARIC ACID, c.p. 200 lb bags.	lb	.13	...
Light pressed, bbls., NY.....	gal	.80	.82	Double pressed, bags	lb	.14%	.14%
Yellow, bleached, bbls., NY.....	gal	.83	.85	Double pressed, bgs., saponified.	lb	.14%	.14%
Extra bleached, bbls., NY.....	gal	.85	.87	Triple pressed, bgs., distilled.	lb	.16%	.17
Blown, bbls., NY.....	lb	...	.11	Triple pressed, bgs., saponified.	lb	.16%	.17
Neatfoot, 30° c.t. bbls., NY.....	lb	...	.18%	Stearine, oleo, bbls.	lb	...	.11%
Pure, bbls., NY.....	lb	...	.15%	Tallow, edible, tierces	lb	...	.10%
Extra, bbls., NY.....	lb	...	.13%	City, extra loose	lb	.09	.09%
No. 1, bbls., NY.....	lb	...	.13	Tallow Oil, acidless tks., NY.....	lb	...	.12
Oleo Oil, No. 1, bbls., NY.....	lb	...	.12%	Bbls., c/l NY.....	lb	...	.13%
No. 2, bbls., NY.....	lb	...	.11%	Walnut, crude bbls., NY.....	lb	...	---
No. 3, bbls., NY.....	lb	...	.10%	Whale, nat winter bbls., NY.....	gal	...	.79
OLIVE, denatured, bbls., NY.....	gal	1.80	1.85	Blehd. winter bbls., NY.....	gal	...	.81
Edible, bbls., NY.....	gal	2.00	2.30	Extra Bich. bbls., NY.....	gal	...	.93
Foots, bbls., NY.....	lb	.09%	.09%	Crude, No. 1, tanks Coast...	gal	...	...
Shipments	lb	.09%	.09%	Crude, No. 2, tanks Coast...	gal	...	...
Palm Lager, 1500 lb casks.....	lb	.09%	.10	Crude, No. 3, tanks Coast...	gal	...	...
Niger, casks	lb	.08%	.09%	Acroides Gum, yel.	lb	.18	.9°
Bonny old Calabar, casks.....	lb	.08%	Nom.	ACONITE LEAVES, bals	lb	.10	.11
				Root, USP, bags	lb	.38	.35

Crude Drugs

Agar Agar, 1, 200 lb bales.....	lb	1.75	1.85
No. 2, bales	lb	...	1.70
No. 3, bales	lb	...	1.55
Agaric, white, cases	lb	2.75	3.00
Granulated, boxes	lb	3.25	3.40
Almonds, bitter, boxes	lb	.60	.65
Sweet, boxes	lb	.57	.60
Meal, barrels, boxes	lb	.24	.25
Aletris Root, bags	lb	.40	.43
Alkanet Root, bags	lb	.08%	.09
Aloes, Barbadoes, 120 lb bbls.	lb	.65	.70
Cape, 400 lb cases	lb	.08	.09
Curacao, 100 lb cases	lb	.10	.11
Socotrine, whole, 300 lb cs.	lb	.23	.27
Bellet, cakes, lb	lb	.34	.38
Althea Root, cases	lb	.45	.50
Whole, bags	lb	.22	.24
Althea Root, Cuts, cs.	lb	.47	.53
Whole	lb	.23	.24
Ambergris, black boxes	cs	8.00	10.00
Grey, boxes	cs	...	26.00
Ammoniac, tears, bags	lb	.65	.70
Angolica Root, dom. bags	lb	.13	.14
Angostura Bark, bags	lb	...	...
Anise, Levant bags	lb	.15	.14
Russian, bags	lb	.13	.14
Star, cases	lb	.13	.13%
Spanish, bags	lb	.14%	.15
Anatto Seed, 200 lb bags	lb	.20	.21
ANABIC GUM.			
White, No. 1, 200 lb bags.	lb	.26	.27
Seconds, 250 lb bags	lb	.24	.25
Boria, amber, 200 bgs. bis.	lb	.13%	.13%
Powd., USP, 300 lb bbls.	lb	.18	.20
Area Nuts, 150 lb bags.	lb	.17%	.18%
Powd., 200 lb bbls.	lb	.20	.23
Argols, Red, bbls.	lb	.05%	.06%
Arnica Flowers, bales	lb	.10	.11
Root, bags	lb	.28	.30

List No. 13 of

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Crude Drugs

Arrowroot, Amer., powd. bbls....D	.10%	.11	Buckthorn Bark, bags.....D	.07	.08	Cassia Batavia, No. 3, bales....D	.09	.09%
Bermuda, bbls.....D	..	..	Burdock Root, bags.....D	.11	.14	China, select, rolls, cases....D	.10	.11
St. Vincent, powd., bbls....D	.13	.14	Burgundy Pitch, dom., 110 lb stands.....D	.05	.06	Broken, bales.....D	.07	.07%
Asafetida, USP, 250 lb cases....D	.23	.25	Gross for net.....D	.10	.11	Cassia Fistula, baskets.....D	.08	.09
Powd., 50 lb bxs.....D	.38	.40	Imported.....D	..	..	Castile Soap, USP, powd., 200 lb bbls.....D	.27	.28
BALM GILEAD SUDS, bags....D	.45	.50	Calabar Beans, bags.....D	..	..	Castor Beans, bags.....D	.03	.03%
Balmory Herbs, bales.....D	..	.14	Calamus Root, bleached, cases....D	.33	.35	Castoreum, 1 lb bot.....D	4.00	4.50
BALSAMS			Unbleached, bags.....D	.06	.07	Catechu Gum, bags.....D	.11	.12
Copaiba, Para, 80 lb cs....D	.50	.55	Caleculia Petals, imp., bales....D	.20	.30	Prickly Ash Berries, bags....D	.20	.22
South American, 80 lb cs....D	.55	.60	Calisaya Bark, bales, powd....D	.25	.26	Catnip Herb, bales.....D	.23	.26
Flr Canada, cans.....D	10.75	11.00	Campfor, see Chemicals	..	..	Celery Seed, bales.....D	.32	.34
Oregon, bbls, cans.....D	.95	1.00	Canary Seed, Morocco bags....D	.07%	.08	Ceresin Wax, white, bags....D	.10%	.20
Peru, 120 lb cases.....D	1.90	2.00	Spanish, bags.....D	.07%	.08	Yellow, 200 lb bags.....D	.09	.10
Tolu, 120 lb cases.....D	1.55	1.65	South American, bags.....D	..	..	CHAMOMILE FLOWERS, Roman cases bales.....D	.19	.21
Ramboo Brier Root, bags....D	.05%	.06	Candellilla Wax, bags.....D	.28%	.30	Hung., cases bales.....D	.08	.08%
Barberry Bark, tree bales....D	.11	.12	Candellilla Wax, bags.....D	.50	.52	Charcoal, Willow, powd. bbls....D	.06	.06%
Root, bags.....D	.35	.37	Cannabie, true imp. bags....D	.30	.40	Wood, powd. bbls.....D	.04	.06
Barberry Bark, bales.....D	.10	.12	American (no assay) bales...D	.45	.40	Chestnut Bark, bags.....D	.07	.08
Wax, bbls.....D	.21	.22	USP.....D	.45	.40	Herb, bales.....D	.06	.06%
Belladonna Leaves, bales.....D	.25	.26	Cantharides, Chinese cases....D	.95	1.00	Chicle Gum, bags.....D	.82	.85
Root, bags.....D	.17	.18	Powdered, boxes.....D	1.15	1.20	Chiretta, bales.....D	.10	.12
Bees Wax, white, cases....D	.52	.54	Cantharides, Russian, cases....D	.85	.90	Cinchona Bark, red quills bales..D	.60	.62
Yellow, refined, cases....D	.39	.41	Powdered, boxes.....D	1.00	1.10	Broken, bales.....D	.28	.29
Crude, bags.....D	.37	.38	Caraway Seed, African, bags....D	.09	.10	Cinnamon, Ceylon, No. 1, bales..D	.40	.42
Benzoil Gum, Siam, boxes....D	1.30	1.35	Dutch, 11 lb bags.....D	.09%	.09%	No. 2, bales.....D	.38	.39
Sumatra, 80 lb boxes.....D	.24	.25	Cardamom, bleached, cases....D	2.50	3.00	No. 3, bales.....D	.36	.38
Berberis Aquifolium Root, bags..D	.12	.13	Deorticated, cases.....D	2.25	2.40	Civet, Abyssin horns.....D	2.75	3.75
Beth Root, bags.....D	.24	.26	Green, grinding, bags.....D	1.60	1.70	Flower Tops, bags.....D	.17	.18
Bitter Root, 100 lb bags.....D	.40	.42	Carnauba Wax, Flor. bags.....D	.38	.40	Cloves, Zanzibar, 135 lb bales....D	.25%	.26
Blackhaw Bark, root, bales....D	.33	.34	No. 1, N Country bags.....D	.34	.36	Amboyas, bales.....D	.38	.40
Tree, bales.....D	.15	.16	No. 2 N Country bags.....D	.32	.34	Penang, bales.....D	.40	.42
Blood Root, bags.....D	.13	.14	No. 3 N Country bales.....D	.27	.28	Cochineal, USP, boxes.....D	.45	.47
Blueing Root, bags.....D	.28	.30	No. 3 Fatty Gray, bags.....D	.27%	.28%	Coca Leaves, Huamco bags....D	..	..
Boldo Leaves, bales.....D	.20	.21	No. 3 Chalky, bags.....D	.27%	.28%	Trindillo, bags.....D	..	..
Bonnet Herb, bales.....D	.07	.08	Cascara Amara, 150 lb bales....D	1.25	1.50	Cobosh Root, Black bags....D	.08	.08%
Leaves, bales.....D	.09	.11	So-called, bales.....D	.50	.52	Blow, bags.....D	.09	.09%
Borage Flowers, bales.....D	.17	.20	Cascara Sagrada, bales....D	..	..	Colchicum Root, bags.....D	.06	.07
Reynold Root, bags.....D	.09	.10	1920-22 bark.....D	.26	.28	Seed, bags.....D	.15	.17
Black Indian Root, 100 lb bags..D	.40	.42	1923 bark.....D	.21	.24	Colocynth, apples, cases, bales..D	..	..
BUCHU LEAVES, short, 250 lb bales.....D	.75	.77	1924 bark.....D	.14	.15	Pulp, USP, bales.....D	.23	.25
Less, bales.....D	.81	.83	Cascarilla Bark, quills, bales...D	..	..	
Long, bales.....D	..	..	Siftings, bbls.....D	..	..	
Stockean Leaves, bales.....D	.07%	.08	Cassia Batavia, No. 1, bales....D	.11	.11%			
			Shortstick, bales.....D	.09%	.09%			

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Coffinroot Leaves, bags.....lb	.05	.06	Elder Flowers, bags.....lb	.10	.13	Guarana, tins, cases.....lb	.60	.65
Comfrey Root, bags.....lb	.13	.14	Elemi Gum, 80 lb cases.....lb	.10	.11	GUM, see Arabic Gum, etc.		
Condurango Bark, bags.....lb	.13 1/2	.14	Elm Bark, select 5 lb bundles cases lb	.26	.27	HELLEBORE ROOT,		
Conium Herb, bags.....lb	.13	.14	Grinding, bags.....lb	.16	.17	Black, bbls.....lb	.08	.10
Conium Seed, bags.....lb	.11	.12	Powdered, bbls.....lb	.23	.25	Powdered.....lb	.15	.17
Copatai Balsam Para, see Balsama			ENGOT, 150 200 lb bags.....lb	.53	.55	White, Powd., 250 lb bbls.....lb	.10	.11
Copal Gum.....lb	.12	.13	Eucalyptus Leaves, bales.....lb	.05	.05 1/2	Helonias Root, (unicorn false) bags.....lb	.67	.68
Coriander Seed, Bombay bags.....lb	.05	.05 1/2	Euphorbia Pilulifera Herb, bags lb	.09 1/2	.10	Hemp Seed, Manchurian bags.....lb	.04 1/2	.05
Morocco, bags.....lb	.05	.05 1/2	Euphorbium Gum, cases.....lb	.25	.27	Chilean, bags.....lb	.04 1/2	.05
Blenched, bags.....lb	.08	.09	Powdered, boxes.....lb	.40	.42	Henbane Leaves, bales, USP.....lb	.29	.34
Corn Silk, bales.....lb	.04 1/2	.05 1/2	Fennel Seed, French, bags.....lb	.09 1/2	.09 3/4	No assay.....lb	.24	.26
Cotton Root Bark, bales.....lb	.12	.13	German, bags.....lb	.14 1/2	.15	Henna Leaves, bales.....lb	.09	.09 1/2
Cowhage, on tire.....lb	.05	.55	Indian, bags.....lb	.08 1/2	.09	Powdered.....lb	.13	.13
Cramp Bark, at colled bales.....lb	.06 1/2	.07	Flax Seed, whole, 180 lb bbls.....ea	15.00	15.25	Honey, Calif., 120 lb cases.....lb	.11	.12
True, bags.....lb	.23	.30	Ground, 180 lb bbls.....lb	.07 1/2	.08	Hope, N. Y. prime bales.....lb	.25	.28
Cranesbill Root, bags.....lb	.09	.10	Fenugreek Seed, 200 lb bags.....lb	.04 1/2	.05	Pacific Coast prime bales.....lb	.25	.27
CUBES BERRIES, XX bags.....lb	.62	.63	Fish Berries, 100-125 lb bags.....lb	.10	.12	Horhound Herb, bales.....lb	.08 1/2	.09
Powdered, boxes.....lb	.65	.67	Fringe Tree Bark, bags.....lb	.25	.27	Horn Nettles, Berries, bags.....lb	.35	.35
Culvers Root, bags.....lb	.21	.22	Fumigating Pastilles Black, 1 lb boxes.....lb	.18	.19	Horsetail Rush, bags.....lb	.09	.10
Cumin Seed, Levant bags.....lb	.16 1/2	.17	Red, 1 lb boxes.....lb	.18	.19	Hydrangea Root, bales.....lb	.09	.10
Malta, bags.....lb	.17	.17 1/2	GALANGAL ROOT, bags.....lb	.09	.10	India Gum, see Karaya		
Morocco, bags.....lb	.05	.05 1/2	Gamburum Gum, cases.....lb	.80	.85	INSECT FLOWERS, open whole Bales.....lb	.27	.28
Cuttlefish Bone, Trieste, straps.....lb	.13 1/2	.14	Gamburum Gum, bags.....lb	.18	.19	Closed whole, bales.....lb	.29	.30
Jewellers large, straps.....lb	.05	.50	Gamboge Gum, 160 lb cases.....lb	.76	.77	Powdered, pure, 200 lb bbls.....lb	.37	.40
Small, straps.....lb	.05	.35	Powdered, cases.....lb	.85	.87	Flowers and Stems, 50 p.c. 200 lb bbls.....lb	.27	.29
French, straps.....lb	.13 1/2	.14	Gelacium Root, bags.....lb	.11	.11 1/2	Ipecac Root, Cartagens, bags.....lb	2.25	2.35
Powdered, boxes.....lb	.14	.15	Gentian Root, bags.....lb	.08	.08 1/2	Powdered, 200 lb bbls, bxs.....lb	2.56	2.60
Broken, boxes.....lb	.05	.07	Ground, bbls, boxes.....lb	.12	.13	Rio Whole, bags.....lb	2.20	2.30
Damar Gum, 136 lb cases.....lb	.27	.28	Powdered, boxes.....lb	.13	.14	Powdered, 200 lb bbls, bxs.....lb	2.50	2.60
Damiana Leaves, bales.....lb	.60	.70	Ginger, African, bags.....lb	.18	.19	Isinglass, American, 130 lb cases.....lb	.75	.80
Dandelion Root, Imp., bags.....lb	.21	.22	Jamaica, grinding, bags, bbls.....lb	.26	.32	Japanese (Beluga) bxs. ctms.....lb	.10	.10 1/2
Deer Tongue Leaves, bales.....lb	.08 1/2	.09	Japan, bags.....lb	.24	.25	Jalap Root, whole, 150 lb bags.....lb	.29	.35
Digitalis Leaves, bales.....lb	.09	.10	Cochin, ABC & Lemon, bags.....lb	12.00	14.00	Powdered, USP, 250 lb bbls.....lb	.34	.38
Dill Seed, bags.....lb	.06	.07	Ginseng Root, cultivated, bags.....lb	8.00	10.00	Japan Wax, White, bags.....lb	.15	.16
Cleaned, bags.....lb	.08 1/2	.09	Northwestern Wild, bags.....lb	12.00	14.00	Job's Tears, White, bags.....lb	.05 1/2	.08
Dogwood Bark, Jamaica, bags.....lb	.09 1/2	.10	Southern Wild, bags.....lb	8.50	10.00	Juniper Berries, 125 lb bags.....lb	1.00	1.05
American, bales.....lb	.07	.08	Golden Seed Root, bags.....lb	4.10	4.15	KAMALA, USP, boxes.....lb	.10	.18
Doggrass Root, USP, cut bags.....lb	.10	.11	Powdered, boxes.....lb	4.20	4.30	Karaya Gum, powdered, bbls.....lb	.10	.18
Dragons Blood, mass cases.....lb	.70	.75	Grains of Paradise, bags.....lb	.14	.15			
Reeds, boxes.....lb	.75	.80	Grindelia Robusta Herb, bales.....lb	.09	.09 1/2			
ECHINACEA ROOT, bags.....lb	.31	.32						

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Kava Kava Root, bags.....lb	.18	.19	Marjoram Leaves, French, bales..lb	Opium, Powdered, USP, cans.....lb	13.00	14.00
Kino Gum, black cases.....lb	.50	.55	Chilian, bales.....lb	.30	.31	Orange Flowers, cases.....lb	.30	1.25
Kola Nuts, 150 lb bags.....lb	.04 1/2	.05	Mastic Gum, 120 lb cans.....lb	.55	.57	Orange Peel, bitter, bags.....lb	.07 1/2	.08
Kouso Flowers, bags.....lb	1.50	1.75	Matico Leaves, bales.....lb	.12	.13	Sweet, bags.....lb	.11	.11 1/2
LADY SLIPPER ROOT, bags.....lb	.50	.55	Mesereon Bark, bags.....lb	.11	.12	ORRIS ROOT, Florentine bold bags..lb	.09	.10
Larripur Seed, bags.....lb	3.25	3.50	Millet Seed, dom. yellow bags..lb	.03 1/2	.04	Powdered, 200 lb bbls.....lb	.12	.13
Laurel Leaves, bales.....lb	.04	.04 1/2	Montan Wax, crude bags.....lb	.05 1/2	.06	Verona, bags.....lb	.07	.08
Laurel Flowers, ordinary.....lb	.22	.24	Bleached.....lb	...	...	Powdered, 200 lb bbls.....lb	.11	.12
Selected.....lb	.28	.38	Moss, Iceland, bales.....lb	.08	.09	Fingery, cans.....lb	.58	.60
Leeches, tubs.....Per 100	3.20	3.75	Irish, bleached, bales.....lb	.08	.09	Gzokerite Wax, brown hard bags..lb	.24	.25
Lemon Peel, bags.....lb	.08 1/2	.09	Select, bales.....lb	.12	.13	Green, hard bags.....lb	.26	.29
Licorice Root, Russian, whole.....lb	.07	.07 1/2	Mullein Flowers, tins.....lb	.90	1.10	Refined, yellow, bags.....lb	...	...
Spanish, natural bales.....lb	.08 1/2	.09	Musk, pods, Carbadine, tins.....oz	16.00	17.00	PAPRIKA, bags.....lb	.18	.24
Powdered, bbls.....lb	.09	.09 1/2	Tonquin.....oz	22.00	25.00	Hungarian.....lb	.26	.27
Selected, 2 & 5 lb bundles.....lb	.13	.18	Grain Cab.....lb	25.00	26.00	Pareira Brava Root, bags.....lb	.11	.12
Cuttings, 125 lb bags.....lb	.06 1/2	.07	Tonquin.....oz	35.00	38.00	Parsley Seed, bags.....lb	.17	.18
Turkish, 150 lb bales.....lb	.03	.03 1/2	Synthetic, see Chemicals.....lb	2.00	2.20	Patchouli, Leaves, bales.....lb	.16	.18
Life Everlasting Herbs, bales.....lb	.05	.06	Musk Root, Russian, bags.....lb	.12	.12 1/2	Pellitory Root, bales.....lb	.24	.26
Lime Juice, clarified bbls.....gal	.60	.65	Mustard Seed Bari brown bags..lb	.09	.10	Pepper, black, Sing. bags.....lb	.14 1/2	.15
Madia Flowers with leaves, bales..lb	.09 1/2	.10	Bombay, brown.....lb	.11	.11 1/2	White, bags.....lb	.21 1/2	.22
Without Leaves, bales.....lb	.18	.20	California, brown.....lb	...	.11 1/2	Aleppy, bags.....lb	.13 1/2	.13 3/4
Liverwort Leaves, bales.....lb	.17	.19	Yellow.....lb	.06 1/2	.06 3/4	Lampong, bags.....lb	.12 1/2	.13 1/2
Lobelia Herb, bales.....lb	.45	.50	Chinese yellow.....lb	.09 1/2	.10	Tellecherry, bags.....lb	.13	.14
Lobelia Seed, bags.....lb	.55	.60	English, yellow.....lb	.08 1/2	.08 3/4	Muntok, bags.....lb	.22 1/2	.23
Longa Root, Imported, bags.....lb	.18	.20	Dutch, yellow.....lb	.08 1/2	.08 3/4	Red Chillies, Japan No. 1, bags..lb	.21	.21 1/2
Laurel Berries, bags.....lb	.10	.11	Danish, yellow.....lb	.23	.25	Mombassa, bags.....lb	.10	.10 1/2
Leaves, Greek, bales.....lb	.04 1/2	.05	Myrrh Gum, select, 200 lb cs.....lb	.20	.24	Talay, bags.....lb	.13	.13 1/2
Italian, bales.....lb	.04 1/2	.05 1/2	Sorts, cases.....lb	.17	.18	Capicum Bombay, bags.....lb	.11 1/2	.12
American, bales.....lb	.25	.35	NUTGALLS, Chinese, bags.....lb	.14	.15	Peppermint Leaves, imp. bales...lb	.18	.22
Lupulin, N.F. time.....lb	1.55	1.60	Aleppy, bags.....lb	.55	.57	Cuts, bales.....lb	.12	.14
Lyopodium, 88 lb cs.....lb	.75	.80	Nutmegs, 110s cases.....lb	.59	.61	Domestic leaf.....lb	.18	.19
MACE, Shaw, No. 1.....lb	.98	.98	75s, 80s, cases.....lb	.48	.50	Peru Balsam, see Balsams.....lb	.22	.24
Banda, No. 1 cases.....lb	1.00	1.05	Grinding, bags.....lb	.04 1/2	.05	Pichi Leaves, bags.....lb	.09 1/2	.09 3/4
Batavia, No. 2, cases.....lb	.86	.88	Nux Vomica Buttons, bags.....lb	.05	.06	Pimento, select bags.....lb	.70	.75
West India, cases.....lb	.82	.84	Powdered, 200 lb bbls.....lb	.06	.07	Pink Root, true bags.....lb	...	.15
Mala Flowers, blue bales.....lb	.55	.60	White, bags.....lb	.11	.11 1/2	Pitch, Burgundy, see Burgundy Pitch.....lb	...	.22
Black, bales.....lb	.17	.28	Oilbanum Gum, sift 280 lb cases..lb	.11	.11 1/2	Plantain Leaves, bales.....lb	...	.22
Manoca Root, bales.....lb	.78	.80	Tears, 280 lb cases.....lb	.22	.23	Pleurisy Root, bags.....lb	.08	.09
Small flake, cases.....lb	...	.30	No. 1, all white 280 lb cases.....lb	.12	.14	Poke Berries, bags.....lb	...	.30
Sorts, cases.....lb	.11	.12	No. 2, 280 lb cases.....lb	12.00	13.00	Pomegranate Bark, of root bags..lb	...	.30
Mandrake Root, bags.....lb	.30	.33	Opium, gum, USP, cases.....lb	13.00	14.00	Of Fruit, bags.....lb	...	.30
Marjoram Leaves, German, bales..lb	Granular, cans.....lb	Of Tree.....lb30
African, bales.....lb	Poppy Flowers, red bags.....lb	.25	.27



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Pepoy Seeds, Dutch, bags.....D	.09%	.10	Savory Leaves, bales.....D	.08	.08%	Spruce Gum, boxes.....D	1.00	1.50
German, bags.....D	.09%	.10	Saw Palmetto Berries, bags.....D	.09	.09%	Squaw Vine, bales.....D	.16	.17
Turkish, bags.....D	.08%	.09	Scammony Resin, boxes.....D	1.20	1.30	Squilla, white.....D	.04	.05
Blue Indian, bags.....D	.08%	.09	Scammony Root, bags.....D	.06%	.07	Powdered, bulk.....D	.12	.14
White Indian, bags.....D	.08	.08%	Senega Root, bags.....D	.55	.57	Stavemore Seed, bags.....D	.35	.37
Prickly Ash Bark, Southern, bags..D	.21	.23	SENNA, Alex 150 lb cases.....D	.22	.23	Sticklac, Slam, 250 lb bales....D	.46	.48
Northern, bags.....D	..	..	Half Leaf, 350 lb bales.....D	.13	.15	Stillingia Root, bags.....D	.11%	.12
Prickly Ash Berries, bags.....D	.14	.16	Siftings, 400 lb bales.....D	.10	.11	Stone Root, bags.....D	.09	.10
Prince's Pine, bales.....D	.20	.25	Powdered, 200 lb bbls.....D	.14	.14%	St. Ignatius Beans, bags.....D	.12	.13
Pulsatilla Herb, bags.....D	.13	.14	Tinnevely, Bold, 350 lb bbls..D	.14	.17	St. John's Bread, bags.....D	.08	.09
Pumpkin Seed, bags.....D	.20	.22	Medium Leaf.....D	.11	.14	Stramonium Leaves, bales.....D	.07%	.08
QUASSIA CHIPS, bags.....D	.06%	.07	Small Leaf.....D	.08	.11	Stramonium Seed, bags.....D	.10	.11
Queen of the Meadow Herb, bags..D	..	.06	Powdered, 200 lb bbls.....D	.08%	.09	Strophanthus Seed, Hispidus.....D	..	..
Quince Seed, bags.....D	.75	.95	Pods, 350 lb bales.....D	.14	.15	Kombe, bags.....D	1.25	1.30
RAPE SEED, South Amer. bags..D	.06	.06%	Serpentaria Root, bags.....D	.82	.83	Styrax, liquid artif.....D	.35	.45
Drutch, bags.....D	.06%	.07	Shellac, D. C., bags.....D	.78	.79	Gen. USP.....D	.60	.70
Japanese, small, bags.....D	.06	.06%	V.S.O. bags.....D	.78	.79	Sundflower Seed, domestic bags..D	.06	.06%
Raspberries, dried boxes.....D	.60	.62	Diamond I, bags.....D	.78	.79	South American, bags.....D	.05%	.06
Red Saunders.....D	.17	.19	Superfine, Orange, bags.....D	.64	.65	TAGALDER BARK, bags.....D	.05	.06
Rhatany Root, bags.....D	.09	.10	Fine, bags.....D	.63	.64	Tamarinds, bbls.....D	.05	.05%
RHUBARB, Root, H.D., cases.....D	.33	.35	T.N., bags.....D	.60	.61	Kops.....per keg	3.50	3.75
Powdered, 200 lb bags.....D	.38	.40	Garnet, A. C.....D	.59	.60	Tansy Herb, bales.....D	.18	.19
Rosemary Leaves, bales.....D	.04	.04%	Button bags.....D	.76	.78	Tar, Barbadoes, 50 gal. bbls....gal	1.40	1.50
Rosemary Flowers, cases bales....D	.20	.24	Bleached, ground, bbls.....D	.56	.58	Thus Gum, 280 lb bbls.....D	.07%	.08
Rose Petals, pale.....D	.27	.30	Bone Dry, bbls.....D	.68	.70	Thyme, Spanish bales.....D	.07	.08
Red.....D	.90	1.00	Sideritis Herb, cut bags.....D	.15	.18	French, bales.....D	.11	.11%
Rue Herb, bales.....D	.18	.20	Simaruba Bark, bales.....D	.07	.08	Tilla, see Linden	..	..
SABADILLA SEED, bags.....D	.13%	.15	Skullcap Leaves, Eastern, bales..D	.54	.56	Tolu Balsam, See Balsams	..	..
Powder, bbls.....D	.19	.20	Western, bales.....D	.23	.30	Tonga Bark, bags.....D	.30	.33
Saffron Flowers, Amer. bales.....D	.60	.64	Skuk Cabbage Root, bales.....D	.14	.17	Tonka Beans, Angostura, cases..D	2.15	2.25
Valencia, 1 lb cans.....D	38.00	39.00	Sloe Berries, bags.....D	.03	.04	Para, cases.....D	.85	.95
Sage, Dalmatian, bales.....D	.05	.05%	Snake Root, Canada, natural, bags.D	.34	.35	Surinan, cases.....D	.85	.95
Greek, bales.....D	.04	.04%	Stripped, bags.....D	.50	.65	Tragacanth gum No 1 ribbon	1.20	1.25
Spanish, bales.....D	.02	.03%	SOAP BARK, whole, 150-200 lb	..	..	No. 2 to No. 6, cases.....D	.75	1.15
Sandalwood, chips, bags.....D	.18	.19	bales.....D	.09	.10	Powdered, 50 lb boxes.....D	.82	.85
Ground, bags.....D	.21	.22	Cut, 125-175 lb bags.....D	.09%	.10	Turkish, cases.....D	.70	.85
Sandarac Gum, 300 lb bbls.....D	.43	.45	Crushed, 200 lb bbls.....D	.10	.11	..	..	..
Sarsaparilla Root, Honduras, bales.D	.68	.70	Powdered, 200 lb bbls.....D	.13	.14	..	..	..
Mexican.....D	.19	.21	Spearment Leaves, American bales.D	.15	.22	..	..	..
Sassafras Bark, ordinary bales..D	.15	.17	Spermaceti, blocks, cakes, cases.D	.38	.45
Select, bales.....D	.23	.30	Spikenard Root, bags.....D	.20	.23

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Turnerite Root, Madras bags....D	.13 1/4	.13 1/4
Alsepy, bags.....D	.11 1/4	.11 1/4
Powdered.....D	.14 1/4	.15
China, bags.....D	.09	.09 1/4
Turpentine, Venice, true 80 lb cs..D	.22	.23
Artificial, 80 lb cases.....D	.11	.13
Spirits, see Naval Stores		
UNICORN ROOT, false, see Heloni		
True, see Aletris		
Uva Ursi Leaves, bales.....D	.05	.05 1/4
VALERIAN ROOT, Belgian bags—D	.18	.20
Vanilla Beans, Mex. whole cases..D	11.00	13.00
Cuts, cases.....D	9.50	10.00
Bourbon, cases.....D	9.50	10.00
South American, cases.....D	9.00	9.50
Tahiti, yellow label cases....D	8.00	8.25
Green Label, cases.....D	..	..
Vetiver Root, 100 lb bags.....D	.25	.26
Violet Flowers, bags.....D	.80	.95
WANGI BARK, of root bags....D	.80	.85
Of Tree, bags.....D	.35	.37
White Pine Bark, rounded, bags..D	.07 1/4	.08
White Poplar Bark, bags.....D	.06	.07
Wild Cherry Bark, thin green		
Rounded, bales.....D	.13	.14
Thick Rounded, bales.....D	.07	.08
Thin Natural, bales.....D	.09	.09 1/4
Thick Natural, bales.....D	.05	.06
Willow bark, bags.....D	..	.06
White, bags.....D	..	.15
Witch Hazel Bark, bgs.....D	.08	.09
Witch Hazel Leaves, bales.....D	.07 1/4	.07 1/4
Worm Seed, American, bags....D	.08	.08 1/4
Levanti, bags.....D	2.75	3.00
Wormwood Herb, imported bales..D	..	.10
Yacca Gum, red.....D	.04	.04 1/4
Ground.....D	.05 1/4	.06 1/4
Yellow (Zanthoxis) bags.....D	.14	.16
YELLOW DOCK ROOT, bags.....D	.12	.14
Yellow Parilla Root, bags.....D	.16	.17
Yerba Santa, bags.....D	.09	.09 1/4
Zedoary Root, bags.....D	.11	.12

Almond, Bitter, USP, 5 lb bot....D	3.15	3.25
Bitter ff PA 5 lb bots.....D	3.25	3.50
Sweet, 56 lb cans.....D	.80	.86
Peach Kernel, 55 lb tins.....D	.28	.30
Apricot, see Peach Kernel		
Amber, crude, 25 lb tins.....D	.70	.75
Rectified, 25 lb tins.....D	.85	.90
Angelica Root, 1 lb bot.....D	28.00	30.00
ANISE, Tech, 66 lb case.....D	.57 1/4	.59
USP, 50 lb tins.....D	.60	.62
Bay, 25 lb tins.....D	2.20	2.30
Terpeneless.....D	6.00	6.50
Bergamot, 25 lb coppers.....D	3.50	4.00
Terpeneless.....D	12.00	12.50
Artificial, 25 lb cans.....D	2.00	2.20
Birch Tar, rect. 5 lb bot.....D	.75	.80
Crude, 50 lb tins.....D	.30	.50
Bos de Rose, 25 lb tins.....D	4.75	5.00
Cade, 25 lb cans.....D	.30	.35
Cajuput, native, 50 lb tins.....D	.75	.80
Calamus, 5 lb bot.....D	3.75	4.00
Camphor, heavy, 1000 lb drs....D	.14	.14 1/4
Japanese, white, 72 lb cases..D	.12	.12 1/4
White, 1000 lb drs.....D	.11 1/4	.12
Cananga, native, 25 lb tins....D	2.20	2.30
Rectified, 25 lb tins.....D	2.65	3.00
Caraway, USP.....D	2.40	2.50
Cardamom, USP, 1 lb bot.....D	41.00	42.00
Carvel, 5 lb bot.....D	8.75	9.75
Caecarilla, USP, 1 lb bot.....D	50.00	52.00
CASSIA, 80-85 p.c. 400 lb drs.D	1.95	2.05
Redistilled, USP, 50 lb cans..D	2.40	2.50
Cedar Leaf, 50 lb tins.....D	.80	.85
Cedar Wood, light 1000 lb drs..D	.67	.72
Celery, 1 lb bot.....D	8.75	9.50
Chaulmoogra, 80 lb cases.....D	.85	.90
Cinnamon, Ceylon, 1 lb bot....D	10.50	11.00
Leaf, 5 lb bot.....D	1.40	1.50

CITRONELLA, Ceylon		
1000 lb drums.....D	.70	.77
50 lb tins.....D	.73	.81
Java, 400 lb drums.....D	1.20	1.30
50 lb tins.....D	1.30	1.40
Cloves, USP, 50 lb cans.....D	1.85	1.95
6 lb bot.....D	1.95	2.05
Copaiba, USP, 25 lb tins.....D	.45	.50
Coriander, USP, 1 lb bot.....D	9.75	10.00
Croton, USP, 25 lb tins.....D	.95	1.00
Cubebs, USP, 5 lb bot.....D	4.50	4.75
Cumin, 1 lb bot.....D	11.00	11.50
Mill, 1 lb bot.....D	4.25	4.50
Erigeron, 20 lb tins.....D	3.75	4.00
EUCALYPTUS, Austl. USP,		
50 lb cs.....D	.57 1/4	.60
500 lb drums.....D	.55	.57
Fennel, USP, 25 lb tins.....D	.95	1.10
Geranium, Algerian, 25 lb tins..D	6.25	6.75
Bourbon, 25 lb tins.....D	5.75	6.25
Turkish, 25 lb tins.....D	4.00	4.25
Ginger, 1 lb bot.....D	12.00	13.00
Hemlock, 50 lb cans.....D	.82	.85
Gingergrass, 28 lb tins.....D	3.00	3.25
Jurper Berries, USP, 25 lb tins..D	2.00	2.30
Wood, 50 lb tins.....D	.50	.60
Lavender, USP, 28 lb tins.....D	5.25	5.50
Spike, Spanish, 50 lb cans.....D	1.10	1.75
LEMONGRASS, Ital. USP, 25 lb tins.D	.98	1.20
Terpeneless.....D	10.50	11.00
American, USP, 25 lb tins.....D	.85	.90
Lemongrass, native, 50 lb cans..D	1.25	1.35
Limes, Express, 25 lb tins.....D	4.00	4.50
Distilled, 25 lb tins.....D	1.60	1.75
Linaloe, Mex., 80 lb cases.....D	4.00	4.25
Mace, distilled, 50 lb tins.....D	1.50	1.60
Mirbane, ref., see Ar. Chemicals		
Mustard, USP, 1 lb bot.....D	..	14.00
Artif., USP, 5 lb bot.....D	2.75	2.85
Neroli, Bigarade, 1/2 & 1 lb bot..D	40.00	60.00
Peppal, 1 lb bot.....D	90.00	130.00
Artificial, 1 lb bot.....D	10.00	35.90

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Nutmeg, USP, 25 lb tins	1.50	: 1.60
Orange, bitter, 25 lb tins	2.60	: 2.75
Sweet, W. Ind., 25 lb tins	2.65	: 2.70
Italian, 25 lb esp.	2.70	: 3.15
Terpenesless	60.00	: 64.00
American, 25 lb tins	2.75	: 2.80
Distilled, 25 lb tins	1.65	: 1.75
Spanish, 25 lb tins	2.80	: 2.90
Origanum, 50 lb cans tech.	.30	: .35
Parley, 1 lb bot.	3.50	: 4.00
Patchouli, 5 lb bot.	4.50	: 5.50
Peppermint, dom., 25 lb tins	2.00	: 2.15
Imported, 25 lb tins	1.65	: 1.70
PEPPERMINT, nat., 60 lb cases	15.00	: 15.50
Rodan, USP, 60 lb cases	15.50	: 16.00
Petit Grain, S. A., 25 lb tins	2.10	: 2.20
French, 1 lb bot.	7.00	: 8.00
Italian, 25 lb tins	2.25	: 2.35
Pimento, 25 lb tins	3.00	: 3.25
Pinus Sylvestris, 25 lb tins	...	: 1.40
Pumelle, USP, 25 lb tins	...	: 2.25
Rose, Fr., 8, 16 & 32 oz. pgs.	...	: 9.00
Bug., 8, 16 & 32 oz. pgs.	8.00	: 9.00
Artificial, 1 lb bot.	2.00	: 3.00
Rosemary, USP, 27 1/2 lb tins	.42	: .48
1000 lb drums	.35	: .40
Tech., 27 1/2 lb tins	.35	: .40
Rue, 1 lb bot.	...	: 4.25
Sandalwood, E. Ind., USP, 76 lb cases	7.00	: 7.25
W. Indian (Amrys) 25 lb tins	2.35	: 2.45
Sassafras, USP, 50 lb cans	1.10	: 1.20
Artificial, 1000 lb drs. 60 lb cans	.34	: .36
Savin, 5 lb tins	2.25	: 2.40
Spearmint, USP, 60 lb cans	4.50	: 5.00
Spruce, 50 lb tins	.82	: .85
Tansy, Amer., 20 lb tins	3.25	: 3.35
Tar, 50 gal. bbls.	.25	: .28
Refined, USP, 25 lb tins	...	: ...
Thyme, red, USP, 25 lb tins	.85	: 1.00
White, USP, 25 lb tins	1.00	: 1.10
Tech., 110 lb drums	.30	: .35

Veitvert, Bourbon 1 lb bot.	13.00	: 14.00
Indian, 1 lb bot.	30.00	: 32.00
Java, 1 lb bot.	30.00	: 32.00
Wine, heavy 1 lb bot.	...	: 1.50
WINTERGREEN		
Sweet beh., 25 lb tins	2.50	: 3.00
Southern, 25 lb tins	1.85	: 2.00
Gaultheria, true 25 lb tins	7.00	: 8.00
Southern, 25 lb tins	3.75	: 4.00
Synthetic, true 50 lb cases	...	: .47
Wormwood, Balt., USP, 25 lb tins	3.25	: 3.35
Wormwood, dom., 25 lb tins	4.00	: 4.50
Ylang Ylang, Bourbon, 10 lb tins		
No. 1	9.00	: 10.00
No. 2	6.00	: 7.00
Mandia, 1 lb bot.	28.00	: 40.00
Artificial, 1 lb bot.	10.00	: 12.00

OLEORESINS

Aspidium, USP, 1 lb bot.	2.75	: 3.00
Cardium, USP, 5 lb bot.	2.50	: 2.75
Cubeb, USP, 1 lb bot.	4.00	: 4.50
Ginger, 5 lb bot.	3.75	: 4.00
Malefern, See Aspidium		
Gris, 1 lb bot.	15.00	: 18.00
Pepper, black, USP, 1 lb bot.	3.50	: 4.00
Vanilla, 1 lb bot.	22.50	: 25.00

Aromatic Chemicals

NATURAL DERIVATIVES

Anethol, 2 lb bot.	1.25	: 1.75
Borneol, 1 lb bot.	...	: 3.50
CITRAL, 25 lb cans	3.00	: 3.50
Citronellal, 1 lb bot.	2.50	: 3.00
EUCALYPTOL, USP, 25 lb cans	...	: .90
Eugenol, USP, 25 lb cans	3.25	: 3.50
Geraniol, Domestic, 60 lb cans	4.00	: 4.25
Imported, 5 lb bot.	4.50	: 5.00
iso-Eugenol, 1 lb bot.	4.00	: 4.50
Imported	5.25	: 6.25

Linalool, 5 lb bot.	6.00	: 6.25
From Bois de Rose, 5 lb bot.	7.00	: 7.50
MENTHOL, 60 lb cases	...	: 11.75
Less cases, 5 lb cans	...	: 12.25
Rhodinel, 1 lb bot.	18.00	: 21.00
Extra, 1 lb bot.	40.00	: 47.00
SAFROL, 60 lb cans	.45	: .47
Thymol, USP, 25 lb tins	4.25	: 4.50

SYNTHETIC AROMATICS

Acetophenone, CP, 1 lb bot.	3.50	: 3.75
Aldehyde, C-8 (Octyl) 1 lb bot.	45.00	: 60.00
C-9 (Nonyl), 1 lb bot.	70.00	: 75.00
C-10 (Decyl), 1 lb bot.	50.00	: 58.00
C-12 (Dodecyl), 1 lb bot.	27.50	: 32.50
C-14, 1 lb bot.	22.50	: 25.00
C-16, 1 lb bot.	70.00	: 80.00
Auceptine, see Anisic Aldehyde		
Amyl Acetate, pure 5 gal. cans	4.00	: 4.25
Butyrate, 1 lb bot.	2.00	: 2.25
Cinnamate, 1 lb bot.	4.00	: 4.50
Formate, 1 lb bot.	1.75	: 2.00
Phenyl Acetate, 1 lb bot.	4.50	: 5.00
SALICYLATE, dom. 100 lb chys.	1.45	: 1.50
Imported	2.25	: 2.50
Valerate, 5 lb bot.	3.25	: 3.50
Anisic Aldehyde, 1 lb bot.	3.75	: 4.25
BENZALDEHYDE, USP, 40 lb chys	1.40	: 1.50
FFC, 40 lb chys.	1.50	: 1.65
Benzole Ether, See Ethyl Benzene		
Benzophenone, 1 lb bot.	4.50	: 5.00
Benzyl Acetate, 100 lb chys.	1.55	: 1.75
Alcohol, 5 lb bot.	1.45	: 1.55
BENZOATE, 5 lb bot.	1.60	: 1.75
Medicinal FFC	1.75	: 2.00
Butyrate, C.F., 1 lb bot.	6.00	: 6.50
Cinnamate, 1 lb bot.	10.00	: 10.50
Formate, 1 lb bot.	3.25	: 3.50

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41-43 Place d'Youville

Aromatic Chemicals

Benzyl Propionate, 1 lb. bot.	D	5.00	: 5.25	Iso-Safrol, 1 lb. bot. imported.	D	5.00	: 5.25	Terphenyl Acetate, 25 lb. cans.	D	1.65	: 1.85
Benzyl Acetate, 1 lb. bot.	D	3.75	: 4.00	Domestic, 5 lb. bot.	D	4.00	: 4.25	Imported, 25 lb. cans.	D	1.90	: 2.20
Bromostyrol, 25 lb. cans.	D	3.50	: 4.00	Linanyl Acetate, 1 lb. bot. Dom.	D	8.00	: 9.50	TERPENEOL, CP, 1000 lb. cans.	D	.40	: .42
Butyl Anthranilate, 1 lb. bot. dom.	D	...	: 16.00	Imp., 1 lb. bot.	D	8.00	: 8.50	Cans, 50 lb.	D	.45	: .47
Butyric Ether, See Ethyl Butyrate				Benzate, 1 lb. bot.	D	13.00	: 14.00	Absolute, 25 lb. cans.	D	.80	: .90
Cinnamic Acid, 5 lb. cans.	D	3.25	: 3.50	Formate, 5 lb. bot.	D	10.50	: 12.00	Imported, 25 lb. cans.	D	.50	: .55
Alcohol, liquid 1 lb. bot.	D	9.00	: 9.50	Methyl Acetophenone	D	3.25	: 3.50	VANILLIN, USP, 500 oz. cans.	D	...	: 49%
Crystallizable	D	9.50	: 10.00	ANTHRANILATE dom., 1 lb. bot.	D	2.50	: 3.00	Cans, 16 oz., 80 oz.	D	.50	: .51
Aldehyde	D	3.50	: 3.75	1 lb. bot.	D	2.50	: 3.00	Second Hands	D	.47	: .50
GITHSHOLL, 1 lb. bot.	D	9.00	: 11.00	Imported	D	3.00	: 3.25	Valerianic Ether, See Ethyl Valerate			
Imported, 1 lb. bot.	D	10.00	: 12.00	Benzate, 5 lb. bot. import.	D	2.00	: 2.25	Yara Yara, 1 lb. cans.	D	1.65	: 1.80
Chlorocetyl Acetate, 1 lb. bot.	D	13.00	: 14.00	Domestic, 5 lb. bot.	D	1.75	: 2.00	PERFUMERS' SUNDRIES			
COUMARIN, 25 lb. cans.	D	3.25	: 3.45	Cinnamate, 1 lb. bot.	D	8.50	: 3.75	Almond Meal, 25 lb. cans.	D	.24	: .26
DIETHYL PHTHALATE, 25 lb. cans.	D	.40	: .45	Heptenone, 1 lb. bot.	D	8.00	: 8.25	Amber, liquid, 400 lb. drs.	D	2.20	: 2.30
1000 lb. drs.	D	.35	: .40	Paracresol, 1 lb. bot.	D	8.00	: 9.00	Ambergris, black, bxs.	D	8.00	: 10.00
Diphenylsulfide, 25 lb. tins.	D	.85	: .90	Phenylacetate, 5 lb. bot. dom.	D	3.75	: 4.00	Ambergris, gray, bxs.	D	...	: 26.00
Ethyl Acetate, pure, 5 lb. bot.	D	.45	: .50	SALICYLATE, USP 500 lb.	D	...	: .45	Balm Copaliba, Para, 80 lb. cases.	D	.50	: .55
Benzate, 5 lb. bot.	D	1.85	: 2.00	drums	D	...	: .47	South American, 80 lb. cases.	D	.55	: .60
Butyrate, 5 lb. bot.	D	2.25	: 2.50	50 lb. cans.	D	...	: .44	Pera, 120 lb. cans.	D	1.90	: 2.00
Caproate, 1 lb. bot.	D	3.25	: 3.50	Second Hands	D	.44	: .45	Talu, 80 lb. cans.	D	1.55	: 1.65
Cinnamate, 1 lb. bot.	D	3.50	: 3.75	Mirbane, rect., 1000 lb. drums.	D	.12	: .14	Benzoin Gum, Siam, bxs.	D	1.30	: 1.35
Formate, 5 lb. bot.	D	1.25	: 1.50	Musk Ambrette, 1 lb. cans.	D	10.50	: 11.00	Castoreum, 1 lb. bot.	D	4.00	: 4.50
Ethyl-methyl Paracresol, 1 lb. bot.	D	3.25	: 3.50	Ketone, 1 lb. cans.	D	11.50	: 12.00	Chalk, precip. light, 175 lb. bbls.	D	.04	: .05
Ethyl Phenylacetate, 5 lb. bot.	D	3.75	: 4.00	Xylene, 5 lb. cans.	D	3.25	: 3.50	Cherry Laurel Water, 5 gal. cans.	D	1.15	: 1.25
Propionate, 1 lb. bot.	D	2.25	: 2.50	Nerolin, 1 lb. cans.	D	1.65	: 1.80	Civet Abyssin, horns.	D	2.75	: 3.75
Valerate, 5 lb. bot.	D	4.50	: 4.75	Oenanthe Ether, 1 lb. bot.	D	2.25	: 2.50	Labdanum, 5 lb. bot.	D	...	: 8.00
Salicylate, 5 lb. bot.	D	3.25	: 3.50	Para-Cymene, Refd., 110 gal. drs.	D	2.25	: 2.50	Lanolin hydrous, 350 lb. bbls.	D	.15	: .21
Formic Ether, See Ethyl Formate				Phenylacetaldehyde, Dom.,				Anhydrous, 350 lb. bbls.	D	.18	: .23
Geranyl Acetate, 1 lb. bot.	D	5.00	: 5.50	1 lb. bot. 50 p.c.	D	8.00	: 8.50	Musk pods, Cabardine, tins.	D	16.00	: 17.00
Butyrate, 1 lb. bot.	D	13.00	: 13.50	Imported, 50 p.c.	D	7.00	: 7.50	Tonquin, tins.	D	22.00	: 25.00
Formate, 1 lb. bot.	D	12.00	: 12.50	80-85 p.c.	D	14.00	: 16.00	Grains, Cabardine, tins.	D	25.00	: 26.00
Heliotropin, dom., 100-10 lb.	D	1.85	: 2.00	Phenylacetate, 1 lb. bot.	D	3.00	: 3.25	Tonquin, tins.	D	35.00	: 38.00
Imported	D	2.25	: 2.50	Phenyl Diacetate, 1 oz. bot.	D	3.25	: 3.50	Synthetic, See Aromatic Chemicals			
Hydroxycitronellal, 1 lb. bot.	D	12.00	: 14.00	1 lb. bot.	D	8.00	: 10.00	Orris Rt. Flor., powd. bbls.	D	.11	: .12
Indol, CP, 1 oz. bot.	D	6.00	: 6.50	Imported	D	7.00	: 7.75	Verona, powd. bbls.	D	.09	: .10
Irene, 1 lb. bot. 100%	D	10.00	: 11.00	Phenylglycidyl Butyrate, 1 lb. bot.	D	26.00	: 28.00	Petrolatum, snow white 550 lb. bbls.	D	.12	: .18
Alpha	D	14.50	: 16.00	Formate, 1 lb. bot.	D	19.00	: 21.00	Light Amber, 350 lb. bbls.	D	.04	: .05
Beta	D	12.75	: 14.50	Propionate, 1 lb. bot.	D	20.00	: 24.00	Rice Starch, 140 lb. bgs.	D	.09	: .10
Methyl	D	16.00	: 18.00	Valerate, 1 lb. bot.	D	25.00	: 29.00	Rose Water, 6 2-3 gal. chys.	D	1.00	: 1.25
Iso-Butyl Benzate, 5 lb. bot.	D	4.75	: 5.00	Phenylpropylalcohol, 1 lb. bot.	D	15.00	: 16.00	Sandalwood chips, powd., bags.	D	.30	: .35
				Skatol, 1 oz. bot.	D	7.00	: 7.25	Saponin, 5 lb. tins.	D	1.25	: 1.50
								Talc, Italian, 250 lb. bgs.	D	60.00	: 80.00
								French, 220 lb. bags.	D	40.00	: 45.00
								Domestic, ref., 100 lb. bags.	D	14.00	: 15.00

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ALBUMEN—34 cs., A. Klipstein & Co., Hankow; Blood, 8 cks., Clegg Chem. Co., Liverpool

ALCOHOL—Butyl, 24 drs., H. A. Metz & Co., Rotterdam; Isopropyl, 20 brls., East River Nat. Bk., Rotterdam

ALMOND MEAL—20 cs., Ungerer & Co., London

ALUM—201 cks., H. W. Peabody & Co., Gothenburg

ALUMINUM—Sulfate, 226 bgs., Meteor Products Co., Rotterdam

AMMONIUM—Carbonate, 28 cs., 50 pgs., Brown Bros. & Co., Liverpool; Murate, 100 cks., Kuttroff Pickhardt Co., Rotterdam; Nitrate, 134 cks., Kuttroff Pickhardt & Co., Hamburg

ANTIMONY—1,648 bgs., W. R. Grace & Co., Antofagasta; Regulus, 250 cs., H. Hollesen Inc., Shanghai; 250 bxs., Order, Hamburg

ARSENIC—400 brls., Amer. Smelt. & Ref. Co., Tambico; Metallic, 20 cks., Lo Curto & Funk, Hamburg; Red, 40 drs., Bk. of America, Hamburg; White, 200 drs., Chem. Nat. Bk., Hamburg

BALSAM—10 cs., Dodge & Olcott, London; 20 cs., Hamberger Polhemus Co., London

BARIUM—Chloride, 115 brls., Roessler & Hasslacher, Hamburg; Nitrate, 51 cks., Kuttroff Pickhardt & Co., Rotterdam; Super-

oxide, 31 kegs, Mallinckrodt Chem. Wks., Rotterdam

BARKS—4 bls., Peek & Velsor, Hamburg; 27 bls., Cohen & Co., Nassau; Siftings, 30 bgs., Cohen & Co., Nassau

BARYTES—140 cks., A. Hurst & Co., Hamburg; 1 lot, Ore & Chem. Corp., Rotterdam; 106 cks., Toch Bros., London

BISMUTH METAL—24 cs., Order, London

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CHALK—500 bgs., Cooper & Cooper, Antwerp; 500 bgs., L. H. Butcher & Co., Antwerp; 300 bgs., Order, Antwerp; 500 bgs., Reichard Coulston, Antwerp; 430 tons, Baring Bros., London

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GELATINE—80 cs., Puttmann & Co., Rotterdam; 180 bgs., 15 brls., H. A. Sinclair, Rotterdam; 61 cs., Amer. Exp. Co., Rotterdam; 77 cs., Equit. Trust Co., Hamburg; 25 brls., French Kremer Co., Marseilles; 15 brls., Brigham Hopkins Co., Marseilles

GLAUBER SALTS—123 brls., E. Suter & Co., Rotterdam

GLUE—258 bgs., T. D. Downing & Co., Rotterdam; 1 brl., 2 kegs, H. A. Sinclair, Rotterdam; 36 brls., P. C. Zuhlke, Antwerp; 20 cs., British Bank of So. America, Antwerp; 140 brls., British Bk. of So. America, Antwerp; 200 bgs., G. H. Hommel, London

GLUESTOCK—73 bls., Conn. Glue Co., Antwerp; 76 bgs., B. C. Ritchie, Buenos Aires

GLYCERIN—37 brls., Order, Hamburg; 10 drs., Brown Bros. & Co., Antwerp; 100 drs., Order, Antwerp; 20 drs., Marx & Rawolle, Liverpool

GUMS—600 bgs., Order, Port Sudan; **Copal**, 720 bgs., Order, Antwerp; **Damar**, 210 bgs., 50 cs., Order, Singapore; **Olibanum**, 2 cs., Order, London; **Perillo**, 231 bls., W. Wrigley, Porto Colombo; **Talha**, 250 bgs., Order, Port Sudan; **Tragacanth**, 31 bgs., Bank of Montreal, London; 25 bgs., Order, London

HERBS—13 bls., R. Hillier Sons & Co., Hamburg; 9 bls., Peck & Velsor, Hamburg; 2 bls., Order, London; 99 bls., Order, Hamburg

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LAMP BLACK—100 cs., L. H. Butcher & Co., Antwerp

LEAVES—5 bls., R. Hillier & Sons Co., Hamburg; **Belladonna**, 10 bls., J. L. Hopkins Co., Hamburg; **Henbane**, 4 bls., Eli Lilly & Co., Hamburg; 8 bls., R. Hillier Sons Co., Hamburg; **Matico**, 28 bls., Hothorn Litzrodt Corp., Antwerp; **Patchouli**, 41 bls., Order, Penang; **Pichi**, 32 bls., J. H. Fink, Talcahuano; **Sage**, 57 bls., Bank of America, Trieste; **Senna**, 34 bls., Guaranty Trust Co., Port Sudan; **Stramonium**, 50 bls., S. B. Penick Trieste

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MAGNESIUM—4 cs., Lehn & Fink, Hamburg; **Chloride**, 176 drs., Innis Speiden & Co., Hamburg; 177 drs., Brown Bros. & Co., Hamburg; **Metal Powder**, 14 cs., Nat. City Bk., Hamburg

MANNA—15 cs., C. Porriccchi & Co., Palermo

MYROBALANS—4,000 pkts., Nat. City Bank, Calcutta

NAPHTHALENE—170 bgs., A. Hurst & Co., Hamburg

OILS—Acetone, 33 brls., Roessler & Hasslacher, Trieste; **Cocanut**, 698 tons, Philippine Ref. Co., Cebu; **Cod**, 200 cs., R. Badcock & Co., St. Johns; 300 cs., Nat. Oil Prod. Co., St. Johns; **Codliver**, 1,160 brls., Order, Bergen; 50 brls., H. J. Baker & Bro., Bergen; 10 brls., Fairchild Bros. & Foster, St. Johns; 100 brls., Hellvaine Bros., St. Johns; 1 brl., Eli Lilly & Co., St. Johns; 50 cs., Schieffelin & Co., Oslo; 25 brls., Lanman & Kemp, Oslo; **Linseed**, 100 brls., Order, Rotterdam; 300 bbls., 104 drs., Order, Rotterdam; **Olive**, 3,610 cs., 50 brls., Order, Leghorn; 200 cs., P. Postene & Co., Genoa; 200 brls., Order, Genoa; 1,700 pgs., Order, Leghorn; 600 cs., Bragno & Mustar, Genoa; 300 cs., J. Antognoli, Genoa; 475 cs., Parisi Bros., Genoa; 270 cs., Angiolillo Bros., Genoa; **Palm**, 117 cs., Guaranty Trust Co., Hamburg; 60 cs., Order, Hamburg; 3 cs., United Amer. Lines, Liverpool; 156 cs., Order, Liverpool; 18 cs., Standard Bank of S. A., Liverpool; 37 cs., Guaranty Trust Co., Liverpool; 73 drs., Order, Liverpool; 785 tons, Order, Hull; **Peanut**, 5 bbls., Lamont Corlies & Co., Rotterdam; **Poppy Seed**, 5 brls., Lo Curto & Funk, Marseilles; **Rape-seed**, 50 brls., N. B. Dick & Co., London; **Sesame**, 50 brls., Petroleum Exp. & Marine Corp., Rotterdam; 100 brls., F. C. Francesconi & Co., Rotterdam; **Sulfur Olive**, 100 brls., Webster & Atlas, Catania; **Whale**, **Sperm**, 100 bbls., Bankers Trust Co., Glasgow; **Wood**, 885 cs., Bingham & Co., Hankow; 90 drs., William Commission Co., Hankow

OILS, ESSENTIAL—10 cs., W. J. Bush & Co., London; 3 cs., Ungerer & Co., London; 2 cs., Orbis Products Trdg. Co., Havre; 15 cs., Order, London; 5 cs., Roure Bertrand, Havre; 9 cs., Morana Inc., Havre; 5 cs., Meht & Daniel Corp., Hamburg; 300 cs., J. B. Horner Inc., Catania; 253 cs., Order, Catania; 40 cs., G. W. Sheldon & Co., Messina; 350 cs., Order, Messina; 60 brls., Order, Copenhagen; **Bergamot**, 75 cs., Heidelbach Ickelheimer & Co., Messina; 40 cs., Order, Messina; **Cassia**, 3 drs., Order, Hongkong; **Citronella**, 9 drs., F. R. Henderson, Colombo; 9 drs., Order, London; 5 drs., Bankers Trust Co., Colombo; 10 drs., Order, Colombo; 4 drs., Bank of America, Colombo; 4 drs., F. R. Henderson & Co., Colombo; 5 drs., Equit. Trust Co., Colombo; **Lemon**, 100 cs., G. Lueders & Co., Messina; 20 cs., Heidelbach Ickelheimer & Co., Messina; 2 cs., C. L. Huisking, Messina; 200 cs., Order, Messina; 50 bxs., Kidder Peabody Acceptance Corp., Palermo; 75 bxs., Order, Palermo; **Lemongrass**, 6 drs., Bk. of Manhattan Co., Cochiti; 2 cs., A. Rosenthal & Sons, San Jose; **Orange**, 50 cs., C. L. Huisking, Messina; 25 bxs., Kidder Peabody, Palermo; **Peppermint**, 2 cs., D. L. Moss & Co., Hankow; 15 cs., Bank of Manhattan Co., London; **Savin**, 5 cs., Meht & Daniel Corp., Hamburg

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POTATO STARCH—500 bgs., Stein Hall & Co., Riga

PUMICE STONE—Lump, 100 bgs., T. Van Amringe & Son, Canneto Lipari; 5,780 bgs., 5 cs., Gallagher & Ascher, Canneto Lipari; **Powdered**, 100 bgs., C. B. Chrystal & Co., Canneto Lipari; 350 bgs., T. Van Amringe & Son, Canneto Lipari

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SALT—672 sks., W. A. Hazard & Co., Liverpool

SEEDS—134 bgs., Order, Hamburg; **Cardamom**, 18 bgs., C. L. Huisking, Central America Ports; **Caraway**, 100 bls., R. L. Friedler, Rotterdam; 300 bgs., Catz Amer. Co., Rotterdam; 400 bgs., French Kremer Co., Rotterdam; 50 bgs., Crawford Hammond & Co., Buenos Aires; **Cumin**, 231 bgs., Order, Hamburg; **Fennel**, 11 bgs., Amer. Exp. Co., Hamburg; **Mustard**, 20 bgs., Order, Rotterdam; 500 bgs., Order, London; 150 sks., R. F. Downing & Co., London; **Poppy**, 100 bgs., Order, Rotterdam; 100 bgs., F. H. Leggett & Co., Rotterdam; 100 bgs., Leghorn Trdg. Co., Rotterdam; 100 bls., R. J. Ireland Jr. & Co., Rotterdam; 400 bgs., C. F. Wilson & Co., Rotterdam; 100 bgs., Archibald & Lewis Co., Rotterdam; 300 bgs., C. E. Armstrong, Rotterdam; 300 bgs., E. Millenberg Inc., Rotterdam; 400 bgs., Order, Rotterdam; **Rape**, 150 bls., E. F. Mangelsdorf Bros., Rotterdam

SHELLAC—47 cs., C. F. Gerlach, Rotterdam; 100 bgs., Ralli Bros., Hamburg; 500 bgs., Order, Calcutta; 300 bgs., Brown Bros. & Co., Calcutta; 100 bgs., Standard Bank, S. A., Calcutta; 100 bgs., N. Y. Trust Co., Calcutta; **Garnet**, 20 cs., Order, Hamburg; 100 bgs., Brown Bros. & Co., Calcutta; **Sticklac**, 140 cs., 56 bgs., Intern. Banking Corp., Singapore

SILVER SULFIDE—97 cs., Watson Geach & Co., Antofagasta

SODIUM SALTS—Bisulfite, 6 drs., J. W. Rudolf, Hamburg; **Chlorate**, 4 cs., J. W. Hampton Jr. & Co., Rotterdam; **Nitrate**, 51 bgs., 18 cs., Order, Oslo; 15,830 bgs., W. F. Grace & Co., Iquique; 432 cs., Kutfroff Pickhardt Co., Hamburg; 2,565 bgs., Order, Skien; **Nitrite**, 48 cs., Norwell Chemical Corporat'n., Hamburg; **Phosphate**, 48 cs., Norwell Chemical Co., Hamburg; **Prussiate**, 15 cs., Order, Rotterdam; 30 cs., C. Tennant & Sons Co., Rotterdam; **Silico Fluoride**, 86 brls., Order, Riga; **Sulfate**, 5 cs., F. X. Rudloff, Hamburg; **Sulfhydrate**, 134 drs., C. S. Grant & Co., Rotterdam

SPICES—Annatto, 100 bgs., Brown Bros. & Co., Kingston; 11 bgs., J. E. Kerr & Co., Jamaica; **Chillies**, 160 bgs., Order, Killini; **Cinnamon Quills**, 188 bls., Bank of America, Colombo; **Cloves**, 100 bls., Order, London; **Ginger**, 102 bgs., Gillespie & Co., Kingston; 12 bgs., A. S. Lascelles Co., Jamaica; 45 bgs., J. E. Kerr & Co., Jamaica; 500 bgs., Order, Alleppey; **Mace**, 9 bls., Middleton & Co., Grenada; 9 cs., Gillespie & Co., Grenada; 15 brls., Catz Amer. Co., Grenada; **Mustard**, 15 cs., Nat. Park Bk., Rotterdam; 100 cs., Austin Nichols Co., Bordeaux; **Pepper**, 160 bgs., Order, Calicut; 200 bgs., Seaboard Nat. Bk., Calicut; 220 bgs., Order, Alleppey; 1,280 bgs., Order, Cochiti; 2,400 bgs., Order, Telicherry; 20 bgs., Niger Co., Liverpool; 617 bgs., Order, Singapore; 146 bgs., Order, London

STRONTIUM—Nitrate, 135 cs., Hummel & Robinson, Rotterdam

SULFUR—200 cs., Heemsoth Basse Co., Bordeaux

SUMAC—700 bgs., Order, Palermo

TALC—480 bgs., C. Mathieu, Genoa; 1,700 bgs., Whittaker Clark & Daniel, Bordeaux

TARTAR—100 bgs., Killer Peabody & Co., Bordeaux

TEA WASTE—608 bgs., Monsanto Chem. Wks., London

TETRACHLORETHANE—173 drs., Roessler & Hasslacher, Hamburg

VANILLA BEANS—22 cs., Order, Havre; 43 cs., Order, Havre; 12 cs., G. Lueders & Co., Bordeaux; 1 cse., Order, Dominica; 14 cs., Bank of N. Y. & Trust Co., Marseilles; 18 cs., Nat. City Bk., Marseilles; 41 cs., Thurston & Braidich, Marseilles; 74 cs., Brown Bros. & Co., Marseilles; 44 cs., Order, Colombo

WAX—18 bgs., Order, Valparaiso; 20 bgs., Pacific Mail S.S. Co., Cristobal; **Bees**, 79 bbs., Nat. Bk. of Commerce, Hamburg; 70 bbs., Nat. Bk. of Commerce, Hamburg; 79 bbs., Order, Rotterdam; 16 bgs., Guaranty Trust Co., Matanzas; 22 bgs., Order, Havana, 32 bgs., R. Desvernine, Santiago; 86 bgs., Order, Cuba; 15 bgs., Galban Co., Manzanillo; 15 bbs., A. I. Root, Cienfuegos; 12 bbs., Order, Cienfuegos; 14 bbs., D. Steengraf, Santa Cruz; 20 cs., Orbis Prod. Trdg. Co., Havre

WINE LEES—704 bgs., Order, Buenos Aires

WOODFLOUR—1,125 bgs., B. L. Soberks, Oslo; 700 bgs., Corn Exch. Bk., Stavanger

ZINC—3 cs., N. J. Zinc Sales Co., Antwerp; Oxide, 10 cks., Toch Bros., Rotterdam; 5 bbs., Yardley & Co., London; 210 bbs., Philipp Bros., Antwerp; 50 bbs., Order, Marseilles

IMPORTS AT SAN FRANCISCO

Feb. 14 to 21

ACID—32 drums, Order, Rotterdam

ANTIMONY—100 cases, Order, Hankow

CAMPOR—100 cases, W. T. Rawleigh Co., Kobe; 80 cases, Hoyt, Shepton & Sciaroni, Kobe

CHEMICALS—57 bbs., Order, Hamburg; 11 bbs., Order, Antwerp; 78 drums, Order, London

DAMIANA—25 sacks, O. Escososa, La Paz

GAMBIER—340 cases, Order, Singapore

GUMS—105 cases, Order, Singapore; **Copal**, 192 bags, Order, Singapore; 80 bags, Order, Antwerp

OIL—Codliver, 50 bbs., Wilbur, Ellis & Co., Kobe; 100 bbs., Charles Cook Co. Inc., Osaka; **Citronella**, 3 drums, Order, Hongkong; **Herring**, 50 bbs., Charles Cook Co. Inc., Osaka; **Olive**, 200 bbs., Order, Rotterdam; **Peanut**, 623 tons, Mitsui & Co., Kobe; **Perilla**, 329 drums, Order, Kobe; 480 bbs., Order, Osaka; **Soya Bean**, 159 bbs., Balfour Guthrie & Co., Dairen

POTASH—Caustic, 131 drums, Sulphue Co., Hamburg

IMPORTS AT PHILADELPHIA

Feb. 18 to 25

ACID—Formic, 168 cbs., Am. Exch. Nat. Bank

CHINA CLAY—5,009 tons, 13 cwt., various consignees, Fowey; 1,404 tons, 17 cwt., various consignees, Fowey

FLUORSPAR—395 tons, 4 cwt., Shimer & Co., Manchester

GLYCERIN—606 drs., Order, Manchester

GYPSUM—12 cks., Hastings & Co., Manchester

OIL—Sulfur Olive, 238 bbs., Order, Leghorn

POTASH—40 cks., Fourth St. Nat. Bank, Bremen; **Bicarbonate**, 20 bbs., Order, Hamburg; **Chlorate**, 5,667 bgs., Societe Commerciale des Potasses d'Alsace; **Sylvanite**, 1 lot, Societe Commerciale des Potasses d'Alsace

ROOT—Licorice, 17,967 lbs., McAndrews & Forbes Co., Smyrna

SAL AMMONIAC—13 cks., W. H. Brey & Co., Hamburg

SHELLAC—257 bgs., Order, Calcutta; **Orange**, 140 bgs., Order, Calcutta

SILICA FLUORIDE—267 bbs., Order, Copenhagen

IMPORTS AT BALTIMORE

Feb. 19 to 26

CLAY—500 cks., F.H. Shallus Co., Bremen

FLUORSPAR—300 bgs., R. & H. Chem. Co., Hamburg

POTASH—Carbonate, 100 cks., Parsons & Petit, Hamburg; **Kainit**, 1,337,756 lbs., Potash Imp. Corp., Hamburg; 565,136 lbs., Potash Imp. Corp., Bremen; **Manure Salt**, 300 bgs., Hollingshurst & Co., Bremen; 1,899,044 lbs., Potash Imp. Corp., Hamburg; 199,621 lbs., F. H. Shallus Co., Hamburg; **Muriate**, 3,200 bgs., Potash Imp. Corp., Hamburg

SODIUM—Nitrate, 205 bgs., U. S. Glass Co., Brevik; 308 bgs., Swindell Bros., Brevik; 27,694 bgs., Anglo-South Am. Trust Co., Iquique; 25,332 bgs., Cottman Co., Caleta Coloso; 6,792 bgs., Anglo-South Am. Trust Co., Caleta Coloso

WOOL GREASE—225 bbs., Frank Leimbach, Bremen

IMPORTS AT BOSTON

Feb. 21 to 28

ACID—Formic, 80 cbs., C. H. Ponell, Rotterdam

ALUM CHROME—18 bbs., Innis Speiden & Co., Hamburg

CASEIN—417 bgs., Nat. City Bk., Buenos Aires; 1,501 bgs., Kalbfleisch Corp., Buenos Aires; 750 bgs., Bank of America, Buenos Aires

CELLULOSE—147 bbs., Irving Bank-Columbia Trust Co., Hamburg

CHALK—267 bgs., H. J. Baker & Co., England

CHEMICALS—62 cks., Order, Hamburg

COLORS—Aniline, 23 cks., 15 bgs., Dyestuffs Corp., England

CREAM TARTAR—5 cks., Order, Italy

EXTRACT—Quebracho, 2,000 bgs., Int. Prods. Co., Hamburg; 2,082 bgs., Order, Hamburg

GLAUBER'S SALT—48 bbs., A. Klipstein & Co., Hamburg; 750 bgs., R. & H. Chem. Co., Hamburg; 260 bgs., Order, Hamburg

GLUE—248 bgs., Order, England

IRON OXIDE—10 cks., Order, England

LITHOPONE—100 cks., Brown & Roese, Rotterdam

MYROBALANS—174 bgs., Marden Wild, Yarmouth, N. S.

OIL—Codliver, 30 bbs., J. W. Norwood, Rotterdam; **Linseed**, 50 bbs., Order, Rotterdam; **Palm**, 39 cks., African & Eastern Trading Co., Rotterdam; **Sandalwood**, 9 cs., For Toronto, Calcutta

POTASH—Carbonate, 12 bbs., Order, Hamburg; **Caustic**, 102 drs., R. & H. Chem. Co., Hamburg; 32 drs., A. Klipstein & Co., Hamburg; **Muriate**, 2,159 bgs., Order, Hamburg; **Nitrate**, 20 bbs., Order, Hamburg; **Sulfate**, 80 bbs., Order, Hamburg

SHELLAC—487 cs., Order, Calcutta

SODIUM—Sulfate, 100 bgs., First Nat. Bk., Hamburg

STICKLAC—224 bgs., Int. Banking Corp., Singapore

TRAGASOL—155 cks., J. P. Marston, England

ZINC AMMONIUM CHLORIDE—25 bbs., Brown Bros. & Co., Liverpool

IMPORTS AT NEW ORLEANS

Feb. 20 to 27

CELLULOSE SULFATE—2,130 bales, Order, Bremen and Hamburg

GUM—Chicle, 402 bbs., William Wrigley; 1,161 bbs., Chicle Developing Company; 420 bbs., A. C. Elliot & Co., all from Cozumeh, Port Barrios and Livingston

IRON OXIDE—83,173 lbs., Order, Spain

MAGNESITE—10,548 bgs., Harrison Walker Refractories Co., Trieste, Italy

MINERAL WHITE—150 bags, Trieste, Italy

MOLASSES—597,000 gals., Dunbar Molasses Co., Sagua and Havana; 350,000 gals., Kentucky Alcohol Corporation; 938,014 gals., Kentucky Alcohol Co., Sagua, Manople and Nuevitas; 1,200,000 gals., Order, Cienfuegos; 1,664,720 gals. and 446 tons, Order, Media Luna, Cuba; 600,000 gals., American Molasses Co., Sagua and Manople

MUSTARD—55 cases, Liverpool and Kingston

OIL—Rapeseed, 50 barrels, Liverpool and Kingston

POTASH—1,750 bags, Order, Hamburg; **Manure Salt**, 275,000 kilos, Order, Havre and Antwerp; **Muriate**, 43,360 tons, Order, Holland

SALT—2,080 bags, Order, Liverpool and Kingston

CHEMISTS TO DISCUSS CORROSION

All papers to appear on the program of the Baltimore meeting of the Division of Industrial and Engineering Chemistry of the American Chemical Society, to be held April 6 to 11, must be submitted for review on or before March 1. At this meeting a day and a half symposium has been planned on corrosion at which the newer electrolytic theory of corrosion, corrosion of brasses, iron, aluminum alloys, stainless steels, antique bronzes, corrosion at high temperatures and the effect of minute films on corrosion will be discussed. Among other papers at the meeting will be one on "The Future of Industrial Synthetic Organic Chemicals in the United States" by Dr. Chas. H. Herty, "Chemistry and a Leather Industry" by Allen Rogers, and "A Quarter of a Century of Chemistry in Rubber" by W. C. Geer.

Negotiations are under way in Chile for the consolidation of the Lautaro and Antofagasta Nitrate companies in order that they may compete more successfully with the synthetic nitrate industry.

NITRATE OUTPUT EXCEEDS DEMAND

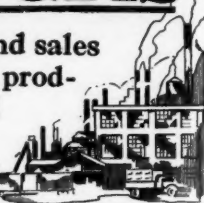
Total exports of nitrate from Chile in January were 255,000 tons against 300,000 tons in December and 300,000 tons a year ago. Strikes at the shipping points, which have since ended were responsible for the decrease. Shipments to European ports in January were 140,000 tons against 127,000 in January, 1924, and 161,000 before the war. A total of 1,000,000 tons were exported to Europe during the first seven months of the fertilizer year against 810,000 tons a year ago. Nitrate production in January increased to 215,000 tons against 194,000 in 1924, 133,000 tons in 1923, and against the war peak of 208,000 tons in 1914. Current output is at the rate of 2,580,000 tons per annum, more than the total world consumption.

The spot market in Europe is very quiet and material that was ordered last month for delivery during the Spring is being offered in the American market at prices f. o. b. Chilean ports which are lower than the official quotations, and thus a large amount of this material ordered for Europe will be delivered to this country.

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Bids and Proposals

FIRE EXTINGUISHERS—Bids are wanted by the quartermaster, U. S. Marine Corps, Washington, March 9, schedule 447, for 500 hand chemical fire extinguishers.

LUBRICATING OIL—The engineering division, air service, McCook Field, Dayton, Ohio, will open bids March 6, cir. 45, for 4,000 gals. liberty aero lubricating oil.

BENZOL—Bids are wanted March 6, under cir. 44, by the engineering division, air service, McCook Field, Dayton, Ohio, for 3,000 gals. benzol.

DEXTRINE—The purchasing clerk, bureau of engraving and printing, Washington, will open bids May 26 for 600,000 lbs. dextrine as required during the fiscal year beginning July 1, 1925.

DRY COLORS, etc.—The purchasing clerk, bureau of engraving and printing, Washington, will open bids June 4 for annual supplies, including 600,000 lbs. mixed black, 1,500 lbs. carbon black, 400 lbs. do, 40,000 lbs. precipitated magnetic oxide of iron, 1,200,000 lbs. barytes, 200,000 lbs. paris white, 10,000 lbs. zinc white, 2,000 lbs. hydrate of alumina, 200,000 lbs. chrome green, 60,000 lbs. Prussian blue, 6,000 lbs. bronze blue, 4,000 lbs. Chinese blue, 4,000 lbs. ultramarine blue, 75,000 lbs. red lake, 570,000 lbs. chrome yellow, 10,000 lbs. orange mineral, 6,000 lbs. borate of manganese.

PAINT—Bids are wanted March 24, under ch. 2, by the quartermaster intermediate depot, Fort Robinson, Neb., for 500 lbs. white lead, 200 gals. linseed oil, 35 lbs. drop black, 50 gals. turpentine.

NAVAL SUPPLIES—Bids are wanted on dates indicated by the bureau of supplies and accounts, Navy Department, Washington, for miscellaneous supplies for navy yards and stations: Sched. 3362, Mare Island, 4,000 lbs. white floating soap, opening of March 17. Sched. 3367, eastern and western yards, ground mustard, opening of March 10. Sched. 3377, Brooklyn, 2,500 lbs. powdered aluminum and 50,000 lbs. zinc oxide, opening March 10. Sched. 3378, Brooklyn, 14,500 lbs. lump rosin, opening March 10.

APPROXIMATELY 2,500 lbs. liquid chlorine for water plant. Deliveries to run one year from April 1st. Shipments 30 to 60 days apart in 150 lb. cylinders. Quote F.O.B. shipping point. March 17, set for decision on successful bidder. Charlotte Water Works, Charlotte, N. C.

Bids and Proposals

PANAMA CIRCULAR 1657—The general purchasing officer, the Panama Canal, Washington, will open bids March 13 under cir. 1657 for Manganese.

PAINTS AND OILS—D. of C. Commissioners—The Commissioners of the District of Columbia, Washington, will receive bids until 2 p.m. March 9 at room 500, District Building, for annual supplies for the fiscal year beginning July 1, 1925, as follows:—Colors, Bronze, Brushes, Charcoal, Enamels, Paints, Ground Glass, Glass, Glue, Gold Leaf, Gypsum, Arsenate of Lead, Paint, Pitch, Glaziers' Points, Putty, Rosin, Shellac, Stain, Turpentine, Pine Tar, Varnish, Whiting, Zinc, Oxide, Lubricating Graphite, Grease, Floor Oil, Fuel Oil, Lard Oil, Lubricating Oil, Neatsfoot Oil, 3-in-1 Oil and Paraffin Wax.

SODIUM HYPOCHLORITE—In the market for supplies of a 14% Solution. If you can supply, write with prices and packing to Landscape Specialty Co., 521 Elm St., Sandusky, Ohio.

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REPRESENTATION IN EUROPE—Chemical man, in American chemical field since 1913 has several reliable European people on hand, who desire to represent American firms in Germany, etc. Traveling East again 1st of April. Articles especially wanted are sulphur, rosins and heavy chemicals. All references. Address replies to Box 152, DRUG & CHEMICAL MARKETS.

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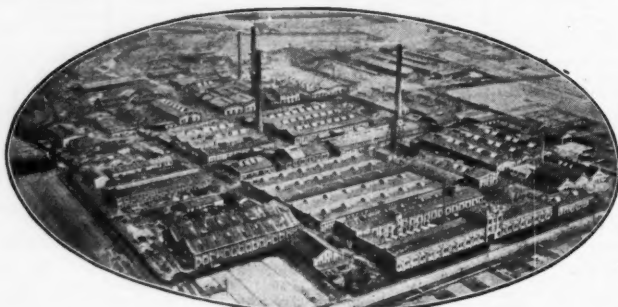
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